

Bharat Heavy Electricals Limited

(High Pressure Boiler Plant)
Tiruchirappalli – 620014, TAMIL NADU, INDIA
MATERIALS MANAGEMENT

TITLE

Phone: +91 431 2577472/257457

Fax : +91 431 252 0719

Supply of LRB Wool on Rate Contract basis

for 2 years

Email: rksamy@bheltry.co.in;

cmouli@bheltry.co.in

Reference Number:	Enquiry Date:	Due date for submission of
Enquiry –	25.10.13	quotation: 14.12.13
1801301475/03		

You are requested to quote the Enquiry number date and due date in all your correspondences. This is only a request for quotation and not an order

BHEL/Trichy is looking for empanelment of new vendors for supply of "LRB Wool on regular basis"

BHEL commercial terms & conditions with Price Bid formats and all annexure can be downloaded from BHEL web site http://www.bhel.com or from the Government tender website http://tenders.gov.in (public sector units) Bharath Heavy Electricals Limited) under enquiry reference "1801301475/03"

Tenders should reach us before 14:00 hours on the due date

Technical bid will be opened at 14:30 hours on the due date Tenders would be opened in presence of the tenderers who have submitted their offers and who may like to be present. Yours faithfully,

For **Bharath Heavy Electricals Limited**

Engineer/BOI



General Note: BHARAT HEAVY ELECTRICALS LIMITED

(A Government of India Undertaking) HIGH PRESSURE BOILER PLANT PURCHASE DEPARTMENT - FOSSIL BOILERS

THIRUCHIRAPALLI - 620014 TAMILNADU (INDIA) PHONE: 2577074 GRAMS: BHARATELEC FAX NO: 2520719

Page:1/1

E-mail : Web :

429-002/A

Collective No.	Enquiry Date	Due Date For Quotation
1801301475/03	25.10.2013	30.11.2013

FINE COPY

Please quote Enquiry No, Date and due date in all correspondences.

This is only a request for quotation and not an order

Item	Description	Unit	Quantity	Delivery Quantity	Schedule Date
10	220208440000 LRB ROCK WOOL MATTRESS-100KG/CUM THICKNESS:40MM G.I WIRE NETTING ON ONE SIDE DRG: 4-33-021-00833/C5 <(>&<)> 4-33-021-00834/04 TEST CERTIFICATE REQUIRED.GUARANTEE CERTIFICATE REQUIRED.	M2	46025.000	46025.00	25.11.15
20	220208450000 LRB ROCK WOOL MATTRESS-100KG/CUM THICKNESS:50MM G.I WIRE NETTING ON ONE SIDE DRG: 4-33-021-00833/05 <(>&<)> 4-33-021-00834/04 TEST CERTIFICATE REQUIRED.GUARANTEE CERTIFICATE REQUIRED.	M2	1337433000	1337433000	25.11.15
30	220208460000 LRB ROCK WOOL MATTRESS-100KG/CUM THICKNESS:60MM G.I WIRE NETTING ON ONE SIDE DRG: 4-33-021-00833/C5 <(>&<)> 4-33-021-00834/C4 TEST CERTIFICATE REQUIRED.GUARANTEE CERTIFICATE REQUIRED.	M2	3074 33 000	307493.00	25.11.15
40	220208470000 LRB ROCK WOOL MATTRESS-100KG/CUM THICKNESS:40MM G.I WIRE NETTING ON BOTH SIDE DRG: 4-33-021-00833/05'>&<1> 4-33-021-00834/04 TEST CERTIFICATE REQUIRED.GUARANTEE CERTIFICATE REQUIRED.	M2	483405.000	483405.00	25.11.15
50	220208480000 LRB ROCK WOOL MATTRESS-100KG/CUM THICKNESS:50MM G.I WIRE NETTING ON BOTH SIDE DRG: 4-33-021-00833/05 <(>&<)> 4-33-021-00834/04 TEST CERTIFICATE REQUIRED.GUARANTEE CERTIFICATE REQUIRED.	M2	3,16,004.000	3,16,004.00	25.11.15
60	220208490000 LRB ROCK WOOL MATTRESS-100KG/CUM THICKNESS:60MM G.I WIRE NETTING ON	M2	34,590.000	34,5900	25.11.15

The offers should reach us 30 minutes before the time of opening of tenders. The offers will be opened at 14.30 hrs on the due date of tender in the presence of tenderers who have submitted their offer and who may like to be present for the tender opening. Late and delayed offers are liable to be rejected.

Yours faithfully,
For BHARAT HEAVY ELECTRICALS LIMITED

CHANDRAMOULI. M Engineer

MANAGER / PURCHASE (FOSSIL BOILERS)

Materials Management / BOI BHEL, TIRUCHY - 620 014.

BHARAT HEAVY ELECTRICALS LIMITED

Page: 2/5__

(A Government of India Undertaking) HIGH PRESSURE BOILER PLANT PURCHASE DEPARTMENT - FOSSIL BOILERS THIRUCHIRAPALLI - 620014 TAMILNADU (INDIA)

1801301475 / 25.10.2013			19915	
BOTH SIDE DRG: 4-33-021-00833/05 &<)> 4-33-021-00834/04 TEST CERTIFICATE REQUIRED.GUARANTEE CERTIFICATE REQUIRED.			THE STATE	in.
70 220208530000 LRB ROCK WOOL MATTRESS-150KG/CUM THICKNESS:50MM G.I WIRE NETTING ONE side DRG: 4-33-021-00833/05 <(>&<)>	M2	6,60,990.000	6,60,990.00	25.11.15
4-33-021-00834/04 TEST CERTIFICATE REQUIRED.GUARANTEE CERTIFICATE REQUIRED. THIRD PARTY INSPECTION NOT REQUIRED.				
B0 220208540000 LRB ROCK WOOL MATTRESS-150KG/CUM THICKNESS:60MM G.I WIRE NETTING ONE side DRG: 4-33-021-00833/05<(>&<)>	M2	2,00,770.000	2,00,770.00	25.11.15
4-33-021-00834/04- TEST CERTIFICATE REQUIRED.GUARANTEE CERTIFICATE REQUIRED. THIRD PARTY INSPECTION NOT REQUIRED.				
220208550000 LRB ROCK WOOL MATTRESS-150KG/CUM THICKNESS:50MM SS WIRE NETTING BOTH sides DRG: 4-33-021-00833/05 <(>&<)> 4-33-021-00834/02 TEST CERTIFICATE REQUIRED.GUARANTEE CERTIFICATE REQUIRED. THIRD PARTY INSPECTION NOT REQUIRED.	M2	6,965.000	6965.00	25.11.15
220208560000 LRB ROCK WOOL MATTRESS-150KG/CUM THICKNESS:60MM SS WIRE NETTING BOTH sides DRG: 4-33-021-00833/05 <(>&<)> 4-33-021-00834/04 TEST CERTIFICATE REQUIRED. GUARANTEE CERTIFICATE REQUIRED. THIRD PARTY INSPECTION NOT REQUIRED.	M2	1,70,720.000	1,70,720.00	
Project wise individual. All other terms and individual. his Enquiry shall be monitored by Independent J. M. Lyngdoh, IAS (Retd.) ot No. 144-145,	Sizes e en ent Exte	are provided closed along wi	in the anne	ing.
ragati Resort, roddator Village & P.O., hankarpally Road, angareddy Distt. (AP)				
Integrity pact enclosed along with	is h	be filled in techo commo	and skall be ercial offer	sent:

CHANDRAMOULI. M

Materials Management / BOI

BHEL, TIRUCHY - 620 014.

MANAGER / PURCHASE

(FOSSIL BOILERS)

Yours faithfully,

opening.Late and delayed offers are liable to be rejected.

BHEL / Trichy MM / BOI

Ref : RC-Wool Dt 12.10.13

SPECIAL CONDITIONS

- 1. This tender is for the supply of LRB Wool as per Enq. Sizes and quantities are mentioned in Annexure 1 attached to this enquiry.
 - 2. The vendor shall have adequate experience as per supplier registration form in manufacturing and supply of LRB Wool.
- 3. Vendor shall indicate in their offer clearly the monthly tonnage that can be spared against this requirement and also their total manufacturing capacity in MT / Month. Vendor also have to send an intergrity pact as per format enclosed as annexure.
- 4. The tender shall be in two parts. One part consisting of commercial and technical conditions and other with price details. Techno-commercial bid and price bid are to be submitted in separate sealed covers. In addition to technical and commercial conditions, vendors who are not registered with BHEL Trichy, have to submit the filled in "supplier registration Forms" along with the technical bid. New vendors may download vendor registration forms from BHEL web site in www.bhel.com and submit all relevant data for formal registration. Both these covers are to be put in a single cover duly super scribing the Enquiry Number. The technical and commercial bid will be opened on the due date and based on the acceptance of techno-commercial bid and vendor evaluation, the price bid/RA of the qualified vendors will be opened on a suitable date with due intimation

Following will be the criteria for vendors to qualify:

- a) Vendor should have been approved by BHEL / Trichy for this item. (OR)
- b) Vendor should submit the following documents for considering them for approval and evaluation of offer.
 - i. Duly filled-in supplier registration forms
 - Availability of minimum manufacturing, handling, testing and measuring facilities as detailed in the Supplier Registration Form
 - iii. Qualifying to our techno commercial requirements of the enquiry.

Helendrin 12/10/13

- PO's & delivery certificate for having manufactured and iv. supplied a minimum of 500 MT in a single order to any power plant in the recent past. (Failing to this, the offer will not be considered for this enquiry. However, we shall register those vendors for future enquiries after spot assessment).
- 5. BHEL reserves the right to increase or decrease the tendered quantity.
- 6. BHEL reserves the right to negotiate with L1 vendor and L1 rate will be counter offered to all other vendors restricting to 8 qualified vendors. Rate contract will be concluded for 24 months form the date of Rate Contract. The price should be firm till the completion of the contract. No PVC is acceptable. Original L1and L2 vendor will be given preference up to 20% and 15% of the total enquired quantity in terms of Tons. Rest of the quantity will be distributed to remaining vendors, who accepts for counter offering rates.
- 7. BHEL reserves the right to re-float the tender opened, if L1 price is not the lowest acceptable price to BHEL.
- 8. Vendors have to submit their confirmation to the commercial Terms and Special Terms & Conditions attached.
- 9. BHEL's standard LD condition shall be accepted.

10. Payment term 100% direct in 45 days against site Acknowledgement.

Engineer/MM/BOI 12/10/18

General conditions to RC

- The projects which are covered in the tender will be ordered at the time of finalization of rate contract as per their eligibility among the Rate contract vendors.
- 2. Distribution shall be restricted to a maximum of 8 vendors.
- 3. If the same size on single project is more than 100MT, the same may be ordered on more than one vendor.
- 4. Vendor shall deliver minimum of 300MT/Month, and supply shall start within 30 days from the date of clearance for a particular project.
- 5. Minimum 1/3rd of clearance quantity subjected to a minimum of 100 MT has to be supplied within 45 days from the date of dispatch clearance..
- 6. In case vendor is not able to fulfill the above condition, that quantity shall be diverted to other vendors.
- 7. Vendor, who receives order for diverted quantity, shall necessarily start supply within 15 days from the date of order.
- 8. Future requirements if any shall be ordered using the same RC. Distribution shall be as per the proportion indicated in the RC.
- 9. Contract period is for 18 months for ordering, and further 6 months for supply.
- 10. For projects where customer approved vendors are involved, distribution shall be among the Customer approved vendors according to their ranking position.

Jehartin 12/10/13.

	Announce 1 Date Continue to towns and annulities of form	ool Mattrocc
SI no	Annexure 1-Rate Contract terms and conditions for w	Vendor confirmation
1	Offers to be submitted in two part bid system	vendor commination
2	The Quantity indicated in the tender is only tentative and BHEL reserves the right to increase or decrease the tender quanity and spilt the tendered quanity among more than one vendor and place orders accordingly in any proportion, based on project requirement and vendor capacity	
3	Compliance of specification as per Drg no 4-33-021-00833/05 & 4-33-021-00834/04 are to be confirmed	
4	Quality Plan for NON NTPC projects - CQP-4612/31.03.12 - to be confirmed -	
5	Rate /SQM for LRB Wool matresses for thickness 40,50,60 with bulk densities 100KG/CUM. & 150 KG/CUM with wirenetting GI and SS are to be quoted as per Enquiry .	
6	L1 will be finalized for each item no in the Enq considering Exworks + freight	
7	Site details and quantities are enclosed in annexure 2.	
8	Ordering shall be 20% on L1, and 15% on L2, Subject to sparing capacity, performance, and customer approval. Balance quantity will be equally distributed to the rest of the suppliers, who accepts for L1 counter offered rate.	
9	Counter offering will be for each item in the Enquiry	
10	Confirmation on capacity per month which can be spared to BHEL to be indicated along with lead time for delivery. Also every month vendor should inform the capacity which can be spared for the subsequent two months.	
11	BHEL require confirmation to release order on FOR Site basis	

Helar 12/10/13

12	Data Sheet to be Submitted for each project for Customer /NTPC approval.	
13	Compliance of RQP to be Complied for NTPC projects as per RQP No . 0000-999-QVM-P-261 enclosed.	
14	Firm Price Shall be quoted for a period of 24 months from the date of conclusion of Rate Contract.	
15	Taxes and Duties shall be Clearly indicated like ED ,Cess ,CST Octroi and other Statutory levies with documentary proof.	
16	Inspection will be carried out by eaither BHEL/BHEL approved Authorised agency or Customer depending on contract conditions	
17	Material shall be guaranteed against all manufacturing defects, bad workman ship. For a period of 18 Months from the date of despatch. If defect is noticied during the period the defective materials shall be replaced at free cost immediately.	
18	Liquidated Damages shall be applicable at the rate of 0.5% of the value of the orders delayed for week or pert there of , subjected to a maximum of 15%.	
19	Risk Purchase: Purchaser at his option will be entitiled to terminate the contract and to purchase elsewhere at the Risk and cost of the supplier, if the party fails to deliver goods in a stipulated time(fails to meet the site requirement). If there is any extra cost implication on account of risk purcahse the same will be recovered from the original supplier	
20	If L1 vendor fails to meet our requirement due to poor performance or any other reason , the proportion of 20% of enquired quanity will not be guaranteed .	
21	Payment term 100% direct with in 45 days against site acknowledgement	
22	Orders will not be released on vendors wherever VAT is applicable	
23	Marking details on packing shall be legible in bold letters, also vendor name shall be printed on the packing covers. Material description along with type of netting shall be clearly mentioned.	

Helal 12/10/13.

									150 KG/CUM GI	MGI	150 KG/CUM SS	IM SS	
		Qty -MT	4	100KG/CUM D	UM Density	GI Wirene	ensity GI Wireneeting -SQM	1	Wirenett -SQM	SQM	Wirenett-SQM	MO	
SI no	Project		40 MM GI O/S	50 MM GI 60 MI 0/s 0/s	60 MM GI 0/S	40 MM GI B/S	40 MM GI 50 MM GI 60 MM GI B/S B/S B/S	60 MM GI B/S	50 mm 0/W	60 mm 0/w	50 mm B/W	60 mm B/W	
1	Nabinagar 3	804	. 25	20720	21880	3300	12130	8195				•	
2	Nabinagar 4		25	20720	21880	3300	12130	8195					
3	3 BARA 2	1203		64305	0089	24435	11950	895	44430	13800	385	11540	
4	BARA 3	1203		64305	9089	24435	11950	895	44430	13800	385	11540	
5	5 Mouda 3	1204		62980	2560	30990	12850	185	43650	12910	555	11200	
9	6 Mouda 4	1204		62980	5560	30990	12850	185	43650	12910			
7	7 Rayalaseema	612	12975	75610	21250								
∞	8 Vindhyachal	775		41148	43763	18385	28789	40					
6	9 Lalitpur 1	1203		64305	9089	24435	11950	895	44430	13800	385	11540	
10	10 Lalitpur 2	1203		64305	0089	24435	11950	895	44430	13800	385	11540	
11	11 Lalitpur 3	1203		64305	9089	24435	11950	895	44430	13800	385	11540	
12	Bellary	1203		64305	6800	24435	11950	895	44430	13800	385	11540	
13	13 Yermarus 1	1203		64305	0089	24435	11950	895	44430	13800	385	11540	
14	14 Yermarus 2	1203		64305	0089	24435	11950	895	44430	13800	385	11540	
15	15 Nabinagar 1-Sup	1204		62980	2560	30990	12850	185	43650	12910	555	11200	
16	16 Nabinagar 2-Sup	1204		62980	2260	30990	12850	185	43650	12910	555	11200	
17	17 Nabinagar 3-Sup	1204		62980	2560	30990	12850	185	43650	12910	555	11200	
18	18 Gadarwara 1	1204		62980	2260	30990	12850	185	43650	12910	555	11200	
19	19 Gadarwara 2	1204		62980	2260	30990	12850	185	43650	12910	555	11200	
20	20 Sagardhigi-4	756		29145	48040		35655	9665					
21	SCCL Pegadalli -1	738		80295	8620	23005	20875	20					
22	SCCL Pegadalli -2	738		80295	8620	23005	20875	20					
23	Obra R&M	202	00000	00000									
67		086		34200	40120								
Total		23071	46025	1337433	307493	483405	316004	34590	066099	200770	969	170720	
Our W	Our Wt KG /SQM		4.5	5.5	6.5	5	9	7	8	9.5	8.5	10	
	Wt in -MT		207 113	7355	1000 701	747 025	10000		00 1001				27070 57

CHANDRAMOULI. M
Engineer
Materials Management / BOI
BHEL, TIRUCHY - 620 014,

	MANUFACTURER'S NAME &	R'S NAME &				•							
S Table	BHEL: TIRUCHIRAPPALLI /	APPALLI /		STAND	ARD QUA	ARD QUALITY PLAN		QP NO.: CQP 4612 DEV NO 00 DATE: 34/03/2012	ğ	7 461	24.63	212042	
	APPROVED		ΙΤΕ	ITEM: LRB WOOL	- MATTRESS-I	IL MATTRESS-IS 8183 GROUP-3 -	1993	PAGE: 1 OF 2	3 P	2 2	<u> </u>	7107/6	
	SUB-CONTRACTOR	٧		SUB-SYSTEM		Steam Generator and Auxiliaries	Se						
SL.	COMPONENT & OPERATIONS	CHARACTERISTICS	CLASS	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORD	A OS	N AGI	AGENCY C N	z	REMARKS
-	2	က	4	5	9	7	8	6		*	9		11
1.0	RAW MATERIAL:			e personal des			_						
7.	Raw material (Rock & Binders.)	Chemical Properties	В	Lab analysis	1sample/ lot	As per vendor standard	dard.	MTC	7	۵	'	>	
		Wire diameter & Dimension of netting	8	Measurement	IS-3150 Append `A'	IS:3150 / BHEL Ap	IS:3150 / BHEL Approved Data Sheet	MTC	7	<u> </u>	>	*	
		Chemical	8	Lab analysis	-op-	IS 280 & IS 7887	IS 7887	MTC	7	۵	>	>	
	GI wire netting: Wire	Tensile test	В	Lab analysis	ф	IS 280 & IS 1608	IS 280	MTC	7	م	<i>-</i>	>	
1.2	(Upto 400 deg C)	Wrapping test	В	-op-	ф	IS 280	IS 280	MTC	7	<u> </u>		>	
		Coating test	В	-op-	-op-	IS 280	IS 4826	MTC	7	۵	>	> F	Audit check at
		Dimensions of netting	8	Measurement	-op-	IS 3150		MTC	7	_	<u>></u> ≥	ت چ ا	"C" at sub supplier
		Bend test	В	-op-	-op-	IS 280	-	MTC	7	٦	^	ĭ × ×	works for all the Verification points
		Gauge(wire diameter)	В	Measurement	IS:3150	IS 6528	BHEL Approved Data Sheet	MTC	7	Ь	۸ N	^	
	6.00 mm	Dimension of netting	В	-op-	IS :6528	P.S. / IS 3150 & BH	P.S. / IS 3150 & BHEL Approved Data Sheet	MTC	7	_	<u>></u> ≥	>	
6.7	(Above 400 deg C)	Chemical	В	Lab analysis	-op-	IS 6528	GrX0.04Cr18 Ni10	MTC	7	٩	^	>	
		Reverse Bend Test	8	Lab analysis	ф	-op-	-op-	MTC	>	۵	>	>	
		Wrapping test	В	Lab analysis	IS 6528	-op-	GrX0.04Cr18 Ni10	MTC	7	٩	<u> </u>	>	
2:0	IN PROCESS CONTROL:	(OL:											
2.1	Finished Mattress	Dimension	В	Measurement	IS-8183	IS:3144, IS:8183 /	IS:3144, IS:8183 / BHEL Approved Data Sheet	MTC	1	Ь	^ ^	w* *A	*At Random
3.0	FINAL INSPECTION : (PER BATCH)	: (PER BATCH)											
3.1		Bulk Density	8	Lab Test (R)) S:3144 S:8183	toods etco bourseas 1300 /	MTC	7	۵	3	*W	*At Random
3.2		Recovery after Compression	В	Lab Test (R)	IS 8183	7 20 0 20 14 17 17 17 17 17 17 17 17 17 17 17 17 17	Dried Approved Data Street	MTC	7	۵	^ %	*	
3.3		Shot content	æ	Lab Test (R)	Appendix ' C'	A 0000		MTC	7	Ь	^ ^	W W	Refer Note: 4
3.4	;	Moisture content	8	Lab Test (R)		IS:8183 Appendix A	A IS:8183 / BHEL Approved Data Sheet	MTC	7	Ь	^ 	>	
3.5	Mattress	Moisture absorption	В	Lab Test (T)	-op-	IS 3144	-	MTC	7	Р	^ ^	ĭ ĭ	Refer note: 1
3.6		Incombustibility	В	Lab Test (T)	-op-	IS 3144	-op-	MTC	7	<u>-</u>	N N	W	Refer note: 1
3.7		Thermal conductivity	В	Lab Test (Ts)	-op-	IS 3346	-op-	MTC	7	۵	>	> %	Refer Note: 1 & 2
3.8		Sulphur content	ω	Lab Test (R)	-op	IS 3144	-op-	MTC	7		<u>></u> 	× ×	Refer Note: 4
3.9		Fibre Diameter	В	Lab Test (T)	-op-	IS 3144	-op-	MTC	7	Ь	^ ^	W	Refer Note: 4
	I. Na. the.	7							:				
	31/03/2012 J.NANTHÍNI	V.KALYANARAMÁN	7 2012	LEGEND: * I	RECORDS, INDE TION. ** M: MAN	ENTIFIED WITH "TICK IUFACTURER C: N	LEGEND: * RECORDS, INDENTIFIED WITH "TICK" (▼) SHALL BE ESSENTIALLY INCLUDED BY SUPPLIER IN QA DOCUMENTATION** M: MANUFACTURER C: MANUFACTURERS' QC N: BHEL / BHEL AIA P: PERFORM. W: WITNESS. V: AND THE CATALON ONE. CHECKER BY SHALL BY	LLY INCLU	DED IL AIA	BY SU P: PE	PPLIEF RFORM	X	VITNESS. V:
		APPROVED BY		MTC- Mill /V	anufacturer's	Test Certificate : IF	WENT CALLON, CHR. COSTOMEN STALL IDENTILY IN COLOMINA IN AS W. CEASS A CONTINUE, BY MACCH. (M) Manufacturer's Test Certificate : IR-Inspection Report. (R): Routine test. (T)/(Ts): Type test.	Routine 1	test. (s): Tvp	be test.	
	SIC	SIGNATURE				-					;		

10 m

	MANUFACTURER'S NAME & ADDRESS BHEL: TIRUCHIRAPPALLI /	R'S NAME &			STAND	ARD QUA	ARD QUALITY PLAN		OP NO.: COP 4612 REV NO 00 DATE: 31/03/2012	COP	4612 ATE: 3	110312	650	ri
	APPROVED			E	ITEM: LRB WOOL	L MATTRESS-IS	L MATTRESS-IS 8183 GROUP-3 - 1993	193	PAGE: 2 OF 2	OF 2	,	10011	4	
	SUB-CONTRACTOR	æ			SUB-SYSTEM		Steam Generator and Auxiliaries							
S.	COMPONENT &	ant O & a & b	JUL D	000	TYPE OF	QUANTUM	REFERENCE	ACCEPTANCE	FORMAT		AGENCY	ΙCΥ	REMARKS	
ON ON	OPERATIONS	CHARAC I ERIO I ICO	2010	CLASS		OF CHECK	DOCUMENT	NORMS	RECORD	∑	ပ	z		
-	2	3		4	5	9	7	80	6	۵	*	10	11	
3.10		Resistance to Vibration	ion	60	Lab Test (T)	IS 8183 Appendix 'C'	IS 3144	IS 8183	MTC	<u>۵</u>	3	3	Refer note: 1	
3.11	₁	Resistance to Jolting	-	В	Lab Test (T)	-op-	-op-	-op-	MTC	2	3	≥	Refer note: 1	
3.12	Mattress	Heat resistance at 550 deg.C	50 deg.C	В	Lab Test (T)	-op-	-op-	-op-	MTC	<u>م</u>	3	3	Refer note: 1	
3.13	· · · · ·	Alkalinity		В	Lab Test (R)	-do-	IS 8183 - Annexure-B		MTC	<u>Р</u>	3	3		
3.14		Chloride content (corrosives)	rrosives)	В	Lab Test (R)	-op-	op-	-op-	MTC	2	3	3	Refer Note: 4	
4.0	PACKING, MARKING AND PRESERVATION:	3 AND PRESERVAT	JON:											Τ
4.1	Packing, Marking and	Identification		ω.	Visual	IS 8183	BHEL Purchase specification/ BHELApproved	cation/ BHELApproved	<u>ာ</u>	<u> </u>	3	>	Refer Note: 7	
4.2	r Icaci Validii.	Protection		В	-op-	-op-	Data Sneet / Briel Purchase Order	cnase Order						
					The supplier sha	Ill furnish the certif	icates indicating the Date	The supplier shall furnish the certificates indicating the Date of manufacture, Test values	les,	<u> </u>				
5.0	CERTIFICATION	Test certificate		ω	batch number, b	atch quantity, date	e of testing, specification to	batch number, batch quantity, date of testing, specification to which the material is tested for	sted for	<u>م</u>	≥	>		
					the routine tests	conducted and type test conducted	be test conducted.							

BATCH - Entire production made in identical conditions viz., total production of Wool mattress for BHEL Purchase order from start up to close of furnace for a particular period. The batch shall be constituted of same size in thickness of the mattress

NOTES

- Type test marked as'(T)' shall be done once in 3 months in the presence of BHEL/BHEL AIA for BHEL Purchase order and'(Ts)'shall be done once in 12 month. The valid type test reports shall be submitted for review at the time of inspection.
- 3)PIBCO. New Delhi. (4)NIRMA University Ahmedabad. The original test certificate shall be submitted to BHEL Engineering/QA for review and approval. Shall be produced during the Thermal Conductivity test shall be carried out on the sealed sample jointly selected by manufacturer and BHEL, in any one of the laboratories.(1)IIT.CHENNAI. (2)CBRI. Roorkee. inspection of the product at the manufacturing works.
 - All routine tests shall be carried out in the Manufacturers own laboratory (Shall be approved by BHEL)
- Products shall be inspected by BHEL/BHEL Authorized Inspection Agency/Customer- as indicated in the BHEL purchase order. The internal test records of routine tests shall be submitted for review during inspection. Sample identified from the finished lot shall be subjected to routine tests and witness by BHEL BHEL AIA.
 - Manufacturer shall prepare and submit a separate manufacturing quality plan wherever BHELs customer approval is envisaged (as specified in the BHEL purchase order)
 - The mattress shall be handable without any lump formation and disintegration of material.
 - The relevant IS Nos.& year of issue: IS: 8183-1993; IS:3150-1982; IS:280-2006; IS:7887-1992; IS:1608-2005; IS:4826-1979; IS:6528-1995; IS:3144-1992; IS:3346-1980 The mattresses shall be packed in Polythene laminated polypropylene or HDPE bags. Mattresses of same thickness shall be packed in one bag
 - All material test certificates of Routine test and type test shall be submitted during witness / final inspection to inspection agency as indicated in the PO. P.S. Purchase Specification BHEL Drawing No. 4-33-021-00833 Rev 05 & 4-33-021-00834 Rev 04.

LEGEND: * RECORDS, INDENTIFIED WITH "TICK" (↓) SHALL BE ESSENTIALLY INCLUDED BY SUPPLIER IN QA DOCUMENTATION. ** M: MANUFACTURER C: MANUFACTURERS 'QC N: BHEL / BHEL AIA P: PERFORM. W: WITNESS V: VEDICIONATION CHE. CHISTOMED SHALL INDENTIFICATION CHE. AND COLOUR MANUFACTURE.	VENITION, CHT. COSTOMER SPALE IDENTITING COLOMN IN AS IN CLASS. A CRITICAL, B - MAJOR, C - MINOR MTC- MIII (Manufacturer's Test Certificate - IR- Inspection Report (R). Routine test (T)/(Ts): Type test		
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	MANUFACTURER'S N	NAME		REF	ERENCI	E QUALITY	PLAN			ानवीपीती NTPC			D IN BY THE	LN/_5
III	.4		ITEM /EQUIPM LRB WOOL M GROUP-3 - 199 SUB-SYSTEM: GENERATOR A	ATTR 3 STE <i>A</i>	ESS-IS 8183	QP NO.: CQP 1474 REV. NO.: 05 DA PAGE1 OF4	TE :30-4-09	SIGN. OF MFGR'S	REV. NO PAGE	0000-999-Q D.: O 2 DAT J OF. 4 UPTO: OS	E : 06.	OS · 09 State Class	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
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35.4

1.0	MATERIAL: Raw material (Rock wool)	Chemical	В	Lab analysis	1 sample/lot	As per vendor	standard	МТС	P	v	-	
1.2	GI wire netting Wire	Wire dia & dimension	В	Measurem ent	IS3150 Append `A'	IS:3150-\$/ Col2 / approved Data	NTPC sheet	MTC	P	w	v	Upto 400 deg.C
		of netting Chemical	В	Lab	-do-	IS:280 IS:7887	IS:7887	МТС	P	V	V	\$-Note - 2
		Tensile test	В	analysis -do-	-do-	IS:280 IS:1608	IS:280	MTC	P	V	v	
		Wrapping test Coating test	B B	-do- -do-	-do- -do-	IS:280 IS:280	IS:280 IS:4826	MTC MTC	P P	V	V V	
		Dimensions of netting	В	Measurem	-do-	IS:3150		мтс	P	w	v	
		Bend test	В	ent -do-	-do-	IS:280		MTC	P	V	V	
1.3	SS wire netting:	Gauge(wire dia)	В	-do-	IS3150	IS:6528 &	NTPC approved Data sheet	MTC	P	W	V	Above 400 deg.C
		Dimension of netting	В	-do-	IS6528	P.S. /IS:3150	IS:3150 & NTPC Approved data	мтс	P	W	V	4.5
		Chemical	В	Lab	- do-	IS:6528	sheet GrX0.04Cr18 Ni10	мтс	P	V	V	
		Reverse bend test	В	analysis -do-	- do-	-do-	-do-	мтс	P	V	V	
		Wrapping test	В	Lab analysis	IS6528	IS:6528	Gr X0.04Cr18Ni10	мтс	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

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II	BHEL : TIRUCHIRAP	BHEL: TIRUCHIRAPPALLI/ APP SUB-CONTRACTOR		GROUP-3 - 1993			QP NO.: CQP 1474 REV. NO.: 05 DATE :30-4-09 PAGE2 OF4.		QP NO.: 0000-999-QVM- P -20 REV. NO.: 62_ DATE : 06 · 05 PAGE 2 OF			05.09 (1) a.ll	ay C	APPROVED TO
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2.0	IN-PROCESS CONTROL					,							
2.1	Finished mattress	Dimension	В	Measurem ent	IS8183	IS:3144, IS:8183 approved Data sh		MTC		P	v	-	
3.0	FINAL INSPECTION					••							
3.1	Mattress	Bulk density	В	Lab test (R)	IS8183 Appendix 'C'	IS:3144,IS:8183 approved Data sh		MTC		P	W	W	Upto 400 deg.C - 100Kg/Cubic m & Above 400 deg.C
3.2		Recovery after compression	В	(T)@	- do-	IS:8183 Appdx-A	IS:8183/ NTPC approved Data	мтс		P	w	w	150Kg/Cubic metre @ Note - 4
							sheet				İ		
3.3		Shot content	В	(R)	-do-	- do-	-do-	MTC		P	W	W	
3.4a		Moisture content	В	(R)	-do-	IS:3144	-do-	мтс		P	w	w	
3.4 b		Moisture absorption	В	(T)@	-do-	IS 3144	-do-	мтс		P	w	w	@ Note - 4
3.5		Incombustibility Incombustibility*	B B	(T)@ (T)@	-do- -do-	-do - -do-	-do- -do-	MTC MTC		P P	W W	W W	@ Note - 4 *After 100 hours
									,				exposure to service temperature
3.6		Thermal conductivity	В	(Ts) @	-do-	IS:3346	do-	MTC		P	W	W	@ Note - 4
3.7		Sulphur content	В	(R)	-do-	IS:3144	-do-	мтс		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

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II ĮĮI	BHEL: TIRUCHIRAP	BHEL: TIRUCHIRAPPALLI/ APP SUB-CONTRACTOR		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 PAGE3 OF4.		QP NO.: 0000-999-QVM- P -261 REV. NO.: © 2-DATE : 06.05 PAGE 3 OF		05.09 Stope L	D BY: APPROVED BY	
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4.0	Other Tests									T		
4.1		Resistance to Vibration	В	(T)@	IS 8183 Appendix 'C'	IS: 3144	IS:8183	MTC	P	W	W	@ Note - 4
4.2		Resistance to Jolting	В	(T)@	-do-	-do- -	-do-	мтс	P	w	w	@ Note - 4
4.3		Heat resistance at 550 deg.C	В	(T)@	-do-	-do- -	-do-	MTC	P	w	w	@ Note - 4
4.4		Alkalinity	В	(R)	-do-	IS:8183&Appd ix-B	IS:8183	МТС	P	W	w	
4.5		Chloride content (corrosives)	В	(R)	-do-	-do-	IS:8183	МТС	P	W	W	
5.0	Marking, preservation & packing	Identification	В	-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

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II Í Í	BHEL : TIRUCHIRAP			LRB WOOL MATTRESS-IS 8183 GROUP-3 - 1993			QP NO.: CQP 1474 REV. NO.: 05 DATE :30-4-09 PAGE4 OF4.		REV. NO PAGE. A	QP NO.: 0000-999-QVM- P-26 REV. NO.: 02-DATE: 06:0S PAGE. 4. OF. 4 VALID UPTO: 05:05:12		5 09	Lange James Control
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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 Wittness 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, INDENTIFIED WITH "TICK" (√) SHALL BE ESSENTIALLY INCLUDED BY SUPPLIER IN QA DOCUMENTATION.
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Note:# NTPC Inspection Engineer to check, approval date/ revision no. of reference documents at the time of Inspection



एनश्रेषीक्षी NATIONAL THERMAL POWER CORPORATION LTD.

(ENGINEERING DIVISION)

ENGINEERING OFFICE COMPLEX A-8A, SEC-24, NOIDA, U.P. 201301 PH.: 011-8-4596276 FAX: 011-91-4410208

TRANSMITTAL FOR DOCUMENTS

FROM: SR MANGER (QA)

REF. : 01/CQA/0000-SPL-

DATE: 12/06/2009

SUB: Approved RQP

Atten St. V. Jai Raman Sr. Mgr BA

CC-RIO-Trichy

CC: DGM (QA-MECH)

Please find enclosed following documents for necessary action at your end as indicated in purpose code

S. No.	Item	RQP No	Rev No	No. of Copies	Purpose code	Remarks
01	LRB WOOL MATTRESS-IS 8183 GROUP-3-1993	0000-999-QVM-P-261	02	1	11	
	GROOT 5 1225					

1. Approved in CAT-1

2. Approved in CAT-II With comments resubmit

3. Not APPROVED- CAT-III

4. Approved in CAT-IV(For information only)

5 Released for Fabrication/Construction

6.for your comments

7. Revised as per your comments

8. For your approval

9. for your information

10. As-built

11. Approved for Reference subject to approval of Endorsement sheet

Note: All previous revisions shall be destroyed/marked "superseded"

SIGNATURE:

NAME:

O.P. NIRANJAN

FORMAT NO.: QS-01-DIV-P-02/F2-

ENGINEERING DIVISION



PURCHASE SPECIFICATION FOR LRB ROCK WOOL MATTRESS

- 01. Material shall be Rock wool.
- 02. Material shall conform to Group-3 and Group-4 of IS:8183(Latest), Density 100 Kg/cu.m for Group-3 and 150 Kg/cu.m for Group-4.
- 03. Wire netting:

Wire dia. = 0.56 mm (24 SWG) and Aperture 13 mm.

- a). GI Wire netting on one side up to 400°C.
- b). GI Wire netting on both sides up to 400°C
- c). SS Wire netting on one side above 400°C
- d). SS Wire netting on both sides above 400°C.
- 04. Tieing Wire:
 - a). 0.4 mm Gl Wire for Gl wire netting.
 - b). 0.4 mm SS Wire for SS wire netting.
 - Continuous stiching of equal spacings.
- 05. Mattress:

Thickness: 40,50,60,70,75 mm

- O6. Inspection and Testing procedure:

 As mentioned in the Annexure (Drg.No. 4-33-021-00834/04)
- 07. Packing: The material shall be packed in polythene laminated HDPE or polythene laminated polypropelene bags with Marking details.
- 08. Marking: The following details are to be legibly written on the packing as well as on a sheet of paper which is to be kept inside, between wool and wire netting.
 - a). Supplier's Name, b). Customer Number/Project,
 - c). Purchase Order Number/Date d). Serial No.of Packing,
 - e). Batch No. f). Thickness of Mattresses,
 - g). No.of Mattresses in the Packing, h). Weight of the packing in Kgs.

Caution Note:

"Always store under covered shed and on raised platforms" shall also be marked on the packing.

REV: 03	ALTD: A.R.JOTHI	Group	-04 and 150 Kg	g/cu.m	REV: C)6 AL	LTD:				
05.04.10	APPD: C.G.S	addec	l in sl.no.02.	-		Al	PPD:				
REV: 02	ALTD: A.R.JOTHI	Revisi	on 01 marked	on	REV: C)5 AL	LTD: /	A.R.JOTHI	Sl.nos. 03,04,06 and 07		
14.07.07	APPD: C.G.S	drg.nd	b. $4-33-021-00$	834.	31.03.	12 AI	APPD: C.G.S		text are altered.		
REV: 01	ALTD: A.R.JOTHI	Packi	ing details altered)4 AL	ALTD: A.R.JOTHI		ee will added in cirror		
25.05.07	APPD: C.G.S	as pe	r Purchase requ	est.	10.02.	2.11 APPD: C.G.S		C.G.S	03 and 04.		
		PREPARED	A.R.JOTHI GURUNATHAN.			21.06	.05	DRAWIN	IG NO :	REV	
INSU	JLATION	CHECKED	C.GUNASEKARAN			22.06	5.05	4	33-021-00833	05	
		APPROVED	C.S.ATHITHYAN			22.06	5.05				



INSPECTION & TESTING REQUIREMENTS FOR LRB ROCK WOOL MATTRESS

(Annexure to 4-33-021-00833/05)

1.0 ROUTINE TEST:

The following tests are to be conducted for every batch.

- a). Bulk density Kg/Cu.m , Tolerance $\pm 10~\%$
- b). Shot content
- c). Percentage of moisture
- d). Chloride content
- f). Alkalinity
- g). Sulphur content

2.0 TYPE TEST:

The following type tests shall be done once in three months.

- a). Moisture absorption
- b). Incombustability
- c). Heat resistance at 550°C for Group−3 and 750°C for Group−4.
- d). Resistance to vibration and jolting
- e). Compressibility and resilience
- f). Fibre diameter (7 microns max.)

The above Tests are to be conducted as per IS: 3144 (Latest) and acceptance standard shall be IS: 8183 unless specified otherwise.

3.0 THERMAL CONDUCTIVITY TEST:

The above test shall be conducted once in twelve months at any one of the following approved laboratories as per IS: 3346.

- a). Dept of Mechanical Engineering , IIT, Chennai.
- b). Central Building Research Institute, Roorkee.
- c). PIBCO, New Delhi.
- d). NIRMA University, Ahmedabad.

A Test Certificate containing all the above results shall be furnished.

REV: 03	ALTD: A.R.JOTHI	Annex	ure drg.no. revis	J U U	REV:	06	ALTD:			
11.05.11	APPD: C.G.S	as 4-	-33-021-00833,	/04.			APPD:			
REV: 02	ALTD: A.R.JOTHI	Temp	for heat resisto	nce	REV:	05	ALTD:			
05.04.10.	APPD: C.G.S	testi	est for group—4 included.				APPD:			
REV: 01		Torradioney or to cook origing			REV:	REV: 04 ALTD: A.R.JO		A.R.JOTHI	Approved laboratories updated for TC test.	
14.07.07	APPD: C.G.S	from	6 to 12 months		31.03	.12	APPD:	C.G.S	updated for TC test.	
		PREPARED	A.R.JOTHI GURUNATHAN.			21.0	06.05	DRAWIN	NG NO :	REV
INSU	JLATION	CHECKED	KED C.GUNASEKARAN			22.0	06.05	4-	33-021-00834	04
		APPROVED	C.S.ATHITHYAN		- 1		06.05			

INTEGRITY PACT

Between

Bharat Heavy Electricals Ltd. (BHEL), a company registered under the Companies Act 1956 and having its registered office at "BHEL House", Siri Fort, New Delhi – 110049 (India) hereinafter referred to as "The Principal", which expression unless repugnant to the context or meaning hereof shall include its successors or assigns of the ONE PART

Section 1 - Commitments of the Principal

- 1.1 The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles:-
- 1.1.1 No employee of the Principal, personally or through family members, will in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.
- 1.1.2 The Principal will, during the tender process treat all Bidder(s) with equity and reason. The Principal will in particular, before and during the tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential / additional information through which the Bidder(s) could obtain an advantage in relation to the tender process or the contract execution.
- 1.1.3 The Principal will exclude from the process all known prejudiced persons.
- 1.2 If the Principal obtains information on the conduct of any of its employees which is a penal offence under the Indian Penal Code 1860 and Prevention of Corruption Act 1988 or any other statutory penal enactment, or if there be a substantive suspicion in this regard, the Principal will inform its Vigilance Office and in addition can initiate disciplinary actions.

Section 2 – Commitments of the Bidder(s)/ Contractor(s)

- 2.1 The Bidder(s)/ Contractor(s) commit himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the tender process and during the contract execution.
- 2.1.1 The Bidder(s)/ Contractor(s) will not, directly or through any other person or firm, offer, promise or give to the Principal or to any of the Principal's employees involved

in the tender process or the execution of the contract or to any third person any material, immaterial or any other benefit which he / she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.

- 2.1.2 The Bidder(s)/ Contractor(s) will not enter with other Bidder(s) into any illegal or undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.
- 2.1.3 The Bidder(s)/ Contractor(s) will not commit any penal offence under the relevant IPC/PC Act; further the Bidder(s)/ Contractor(s) will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
- 2.1.4 The Bidder(s)/ Contractor(s) will, when presenting his bid, disclose any and all payments he has made, and is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.
- 2.2 The Bidder(s)/ Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

Section 3 – Disqualification from tender process and exclusion from future contracts

If the Bidder(s)/ Contractor(s), before award or during execution has committed a transgression through a violation of Section 2 above, or acts in any other manner such as to put his reliability or credibility in question, the Principal is entitled to disqualify the Bidder(s)/ Contractor(s) from the tender process or take action as per the separate "Guidelines on Banning of Business dealings with Suppliers/ Contractors". framed by the Principal.

Section 4 – Compensation for Damages

- 4.1 If the Principal has disqualified the Bidder from the tender process prior to the award according to Section 3, the Principal is entitled to demand and recover the damages equivalent Earnest Money Deposit/Bid Security.
- 4.2 If the Principal has terminated the contract according to Section 3, or if the Principal is entitled to terminate the contract according to section 3, the Principal shall be entitled to demand and recover from the Contractor liquidated damages equivalent to 5% of the contract value or the amount equivalent to Security Deposit/Performance Bank Guarantee, whichever is higher.

Section 5 – Previous Transgression

- 5.1 The Bidder declares that no previous transgressions occurred in the last 3 years with any other company in any country conforming to the anti-corruption approach or with any other Public Sector Enterprise in India that could justify his exclusion from the tender process.
- 5.2 If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

Section 6 - Equal treatment of all Bidders/ Contractors/ Sub-contractors

- 6.1 The Bidder(s)/ Contractor(s) undertake(s) to obtain from all subcontractors a commitment consistent with this Integrity Pact and report Compliance to the Principal. This commitment shall be taken only from those sub-contractors whose contract value is more than 20 % of Bidder's/ Contractor's contract value with the Principal. The Bidder(s)/ Contractor(s) shall continue to remain responsible for any default by his Sub-contractor(s).
- 6.2 The Principal will enter into agreements with identical conditions as this one with all Bidders and Contractors.
- 6.3 The Principal will disqualify from the tender process all bidders who do not sign this pact or violate its provisions.

Section 7 - Criminal Charges against violating Bidders/ Contractors /Sub-contractors

If the Principal obtains knowledge of conduct of a Bidder, Contractor or Subcontractor, or of an employee or a representative or an associate of a Bidder, Contractor or Subcontractor which constitutes corruption, or if the Principal has substantive suspicion in this regard, the Principal will inform the Vigilance Office.

Section 8 – Independent External Monitor(s)

8.1 The Principal appoints competent and credible Independent External Monitor for this Pact.

The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement.

- 8.2 The Monitor is not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. He reports to the CMD, BHEL.
- 8.3 The Bidder(s)/ Contractor(s) accepts that the Monitor has the right to access without restriction to all contract documentation of the Principal including that provided by the Bidder(s)/ Contractor(s). The Bidder(s)/ Contractor(s) will grant the monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his contract documentation. The same is applicable to Sub-contractor(s). The Monitor is under contractual obligation to treat the information and documents of the Bidder(s)/ Contractor(s) / Sub-contractor(s) with confidentiality.
- 8.4 The Principal will provide to the Monitor sufficient information about all meetings among the parties related to the contract provided such meetings could have an impact on the contractual relations between the Principal and the Contractor. The parties offer to the Monitor the option to participate in such meetings.
- 8.5 As soon as the Monitor notices, or believes to notice, a violation of this agreement, he will so inform the Management of the Principal and request the Management to discontinue or take corrective action, or heal the situation, or to take other relevant action. The Monitor can in this regard submit non-binding recommendations. Beyond this, the Monitor has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action.
- 8.6 The Monitor will submit a written report to the CMD, BHEL within 8 to 10 weeks from the date of reference or intimation to him by the Principal and, should the occasion arise, submit proposals for correcting problematic situations.
- 8.7 The CMD, BHEL shall decide the compensation to be paid to the Monitor and its terms and conditions.
- 8.8 If the Monitor has reported to the CMD, BHEL, a substantiated suspicion of an offence under relevant IPC / PC Act, and the CMD, BHEL has not, within reasonable time, taken visible action to proceed against such offence or reported it to the Vigilance Office, the

Monitor may also transmit this information directly to the Central Vigilance Commissioner, Government of India.

- 8.9 The number of Independent External Monitor(s) shall be decided by the CMD, BHEL.
- 8.10 The word 'Monitor' would include both singular and plural.

Section 9 – Pact Duration

- 9.1 This Pact begins and shall be binding on and from the submission of bid(s) by bidder(s). It expires for the Contractor 12 months after the last payment under the respective contract and for all other Bidders 6 months after the contract has been awarded.
- 9.2 If any claim is made / lodged during this time, the same shall be binding and continue to be valid despite the lapse of this pact as specified as above, unless it is discharged/ determined by the CMD, BHEL.

Section 10 – Other Provisions

- 10.1 This agreement is subject to Indian Laws and jurisdiction shall be registered office of the Principal, i.e. New Delhi.
- 10.2 Changes and supplements as well as termination notices need to be made in writing. Side agreements have not been made.
- 10.3 If the Contractor is a partnership or a consortium, this agreement must be signed by all partners or consortium members.
- 10.4 Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

10.5 Only the	ose bidders/ contractors who	have entered into this agreement with the	e Principa
would	be competent to participate	in the bidding. In other words, entering	g into this
	ent would be a preliminary qu		- International Control of the Contr
	5		
For &	On behalf of the Principal	For & On behalf of the Bidder/ Co	ntractor
	(Office Seal)	(Office Seal)	
Place			
Date			
Witness		With	
witness.		Witness:	
(Name & Add	dress)	(Name & Address)	