

BHEL : PIPING CENTRE : CHENNAI – 600 017

ENQUIRY NO : 4101200093 DT 17.09.12

DATE : 18.09.2012

A) IMPORTANT INFORMATION TO BIDDERS.

1. This Tender is an Open Tender for manufacturing & supply of VARIABLE LOAD HANGERS as per BHEL's requirements . Bids are to be submitted in **TWO PARTS**.
2. The quoted price shall be "FIRM" till the complete execution of the scope.
3. Bids shall be in English only.
4. Last date for submission of Bid **10.10.12 - Time - 14.00 Hours**.
5. Techno-Commercial Bid Opening Date **10.10.12 - Time - 14.30 Hours**.
6. Tender shall be processed through Price bid opening . However BHEL reserves the right to go for "Reverse Auction" instead of sealed tender bid which will be decided after technical cum commercial bid evaluation.
7. Bidders shall submit the Bid (a single envelope containing two inner envelopes) in English language as indicated below:

Envelope I – "TECHNO COMMERCIAL BID": This sealed envelope should contain

- Point by point confirmation for Eligibility criteria as per Para B given below (All required details as called for to be furnished)
- Technical details along with acceptance to below mentioned technical and quality requirements in Para C
- Point by point confirmation / acceptance to our Commercial terms as per Para E
- Vendor's Catalogue
- Unpriced bid (copy of the Priced Bid without the price details) .
- **Duly filled BHEL Checklist.** (Checklist Enclosed)

This envelope should be clearly marked "Part I - Technical and Un-priced commercial bid ", indicating Enquiry No., Due Date, Address & Reference of the Bidder.

Envelope II – "PRICE BID": This sealed envelope should contain price details. This envelope should be clearly marked "Part II - Price bid", indicating Enquiry No., Due Date, Address & Reference of the Bidder.

The Bid (consisting of both the envelopes mentioned above) , sealed and superscribed as "Parts I & II inside" indicating Enquiry No., Due Date, Address & Reference of the Bidder should reach the below mentioned address on or before the due date by 14:00 Hrs (IST). BIDS RECEIVED AFTER 14:00 Hrs (IST) WILL NOT BE CONSIDERED FOR EVALUATION.

8. The above bid (a single envelope containing two inner envelopes) shall be sent in a sealed cover duly indicating

Enquiry No. & date, Tender Opening date and Item Description: "VARIABLE LOAD HANGERS".

To

**SDGM / MATERIALS
BHEL - Piping Centre
Old No 93, (New No:80) G N Chetty Road
T Nagar / Chennai 600 017 . PHONE : 28161243 / 28161355**

9. Only the vendors who meet the eligibility criteria as per Para B shall be considered against this tender .

B) ELIGIBILITY CRITERIA

B.1) GENERAL CONDITIONS:

- a. Firm shall be a regular manufacturer of Variable Load Hangers (VLH).
Traders /Agents/Distributors/Dealers are not acceptable.
- b. Firm should have been in continuous business of manufacturing VLH for the past 3 years and should have had a positive business result in the past 2 years.
Indian firms with less experience but who are an Indian subsidiary of leading International firm , a regular manufacturer of VLH with the above credentials , shall be deemed to have met this criteria.
- c. The Bidder should have designed, manufactured and supplied the VLH to atleast two Thermal Power plants. The supplied hangers shall be in successful operation for a period of not less than one year as on the date of bid opening. Minimum two installation references in power industries to be submitted alongwith the technocommercial bid. Experience details containing Customer name, size & quantity month and year of their supplies relevant to enquired size and specification shall be furnished with Customer contact details to verify the performance of the firm if required.
- d. Firm shall have valid ISO 9001 certification or equivalent.
- e. Indigenous Firms referred to BIFR or Firms having strictures/hold by any other Government agencies will not be considered (applicable for Indigenous Sources). All import sources shall provide D&B report on Financial soundness.

B.2) TECHNICAL:

- a. Firm shall confirm to BHEL Technical specification PC:TSP:VLH:001 Rev00
- b. Firm shall confirm to BHEL's Quality requirement QPG:VLH:01 .
- c. Raw material source for critical items shall be furnished in the offer.
- d. Firm shall have in-house manufacturing and testing facilities . The details of the same shall be provided along with the technical bid .

Only the bidders meeting the above eligibility criteria (General and Technical) will be considered for further evaluation of technocommercial and price bids.

In case the firm is already registered with any of the BHEL units , the proof for the same shall be furnished

C) TECHNICAL REQUIREMENTS :

Vendors to understand and comply to the Technical requirements detailed below.

- 1) Scope of work : Design, manufacture and supply of Variable Load Hangers (VLH) as per BHEL's Technical specification PC:TSP:VLH:001 Rev00 and Quality requirements QPG:VLH:01. The VLH type (or variant) wise quantity required by BHEL is indicated in Annexure I.
- 2) Vendor shall understand BHEL's requirement with respect to performance of VLH for each variant covered in the Annexure 1 with the help of BHEL's Technical specification ref. PC:TSP:VLH:001 Rev00 , Sample Hanger selection sheet (Annex 3 of Tech Spec) and dimension details (Annexure 2 of Tech spec).

- 3) Vendor shall choose their VLH hanger variant from their catalogue meeting the performance of BHEL type VLH hanger variant for each Enquiry sl no and furnish the technical details and quote for the same.
- 4) Vendor shall furnish technical details for each Enq sl no confirming that it meets the BHEL requirements. Copy of the Vendor Catalogue shall also be furnished.
- 5) Vendor shall furnish their acceptance to BHEL's Technical specification ref PC:TSP:VLH:001 Rev00 . Deviation if any shall be clearly spelt out in their Techno-Commercial Bid.
- 6) Vendor shall furnish their acceptance to meet BHEL's Quality requirement ref QPG:VLH:01. Deviation if any shall be clearly spelt out in the Techno-Commercial Bid. Vendor shall also submit their detailed Quality Plan for manufacturing and inspection in their Techno-Commercial Bid.
- 7) The Enquiry quantity covered in Annexure 1 are required for various Power projects of BHEL. Details of hangers like type, load setting and quantity will be furnished project wise to successful Vendors while releasing Purchase Order.
- 8) For any clarification pl contact BHEL/Piping Centre/Purchase department . The contact details are furnished on Page 7.

D) LIST OF ITEMS :

The enquiry quantity is furnished in Annexure 1 . Vendors may also note the following :

- 1) Lowest Bidder (L1 bidder) will be determined for each SI no. Ordering will be made on competitiveness of prices quoted against each item and not as total package.
- 2) Quantity mentioned in Annexure-1 may undergo changes during processing of the tender .
- 3) Quantity Split :
 - 3.a) BHEL reserves the right to split the tendered quantity .
 - 3.b) In no case the highest quoted bidder (H1) will be given the opportunity of the quantity split. However in exceptional circumstances, BHEL may still resort to order on H1 bidder, in case of limited no of bids received against an item. The decision made by BHEL in this regard is final.
 - 3.c) The L1 prices and their agreed commercial terms and conditions would be counter-offered to the next higher bidders in the order of their ranking and the quantity split would be given to the bidders who accept it in –toto on the basis of their ranking in the price bid.
 - 3.b) Splitting of tender quantity will be done as per the ratios mentioned below :
 - If the tender quantity of an Enq SI no is less than 100 nos , the tender quantity will be split in the ratio of 70:30
 - If the tender quantity of an Enq SI no is more than 100 nos , the tender quantity will be split in the ratio of 50:30:20 (If two next higher bidders accept L1 rate) or in the ratio of 70:30 (If only one next higher bidder accept L1 rate) .
 - 3.d) If none of the other bidders accept the counter-offer viz the Price, Quantity, commercial terms and conditions, then the entire quantity of the tender would be ordered with the original L1 vendor only .

E) Commercial:

The bidders are requested to furnish their acceptance / confirmation to each of the below mentioned commercial points in their Techno-commercial Bid.

1. **Address :** Full address of the Manufacturing unit and the corporate office along with the contact details to be provided .
2. **Delivery period** – Supplies to be completed within 3 months from the date of approved documents after placement of Purchase Order. Documents have to be submitted within one week from the date of PO for BHEL's approval without fail

Delivery is the essence of the Contract/ PO. BHEL may accept or reject the bid if delivery is not as specified, or if offered delivery is not suiting Project Plan/ Production plan as per BHEL.

BHEL has the right to order partly or fully considering the various requirements.

BHEL may short close/cancel an order or divert to another vendor at any time during the currency of the Contract/PO irrespective of the PO Delivery date

- (i) if the performance of the vendor is poor,
- (ii) if the delivery requirement of the item is very critical and not being met,
- (iii) if there is no response for improvement in delivery as per BHEL requirement.

3. **Delivery Terms:**

Foreign Bidders shall submit their bid for CFR, Chennai (preferred) or FOB (port to be mentioned) . Prices shall include Testing , Inspection , Packing & Forwarding charges . Do not quote on Ex-Works basis . Vendors quoting on CFR basis shall arrange for FREE container retention period of 21 days for clearance of cargo.

Customs Duty on Merit & Inland transport from the port of discharge upto Trichy stores will be loaded for comparison with Indigenous bids to obtain net cash outflow to BHEL. Ranking will be based on Net Cash Outflow to BHEL .

Indian Bidders shall submit their bid for FOR/BHEL Trichy Stores (inclusive of Packing , Forwarding , Freight & transit insurance). Rates quoted shall be inclusive of all charges. Taxes & Duties to be indicated separately. Do not quote on Ex-Works basis .

4. Bids shall be free from CORRECTION AND ERASURES, Corrections if any, must be attested.
Note: Bidders are requested to submit their bids only through sealed bids. As the part II (priced bid) will not be opened before the technical evaluation is completed, bidders are requested not to submit their bids through email/fax etc.
5. **Validity:** Bidder shall give a minimum validity of 90 days from the date of Technical bid opening.
6. **Fixed price:** All items should be quoted on "Per unit basis". Prices quoted by the bidder shall be fixed and not subject to any escalation whatsoever during the period of bid validity and execution of the Purchase Order. A bid submitted with an adjustable price will be liable for rejection.
7. **Bid currency:** Indian bidders should submit the prices only in Indian Rupees. Foreign bidders may submit their bid in EURO / USD / POUND. For the evaluation purpose the exchange rate (TT – Selling Rate of State Bank of India) on technical bid opening date will be considered.
8. **Taxes and Duties:** (for Indian Bidders only) All Taxes and Duties payable as extra to the quoted price should be specifically stated in their bids along with CST & TNGST No / Tariff No. etc., failing which the purchaser will not be liable for payment of such Taxes and Duties.

9. **MODVAT Credit:** (for Indian Bidders only) If any Excise Duty is payable, the chapter head / sub-head reference and the rate of the duty should be quoted. If the bidder is availing MODVAT credit for this input material, the effect of proforma credit should be passed on to the purchaser.

10. **Payment Terms:** NO ADVANCE PAYMENT SHALL BE MADE BY BHEL.

Indian Bidders - The payment term is 100% payment after 45 days of satisfactory acceptance of materials at BHEL, Trichy Stores, against submission of despatch documents directly to BHEL and not to be routed through Bank. As per policy, LC will not be opened. Bids with LC requests/advance payments are liable for rejection.

Payment shall be made against presentation of following documents to our Finance Department . However a copy of Invoice and LR shall be sent to Purchase department immediately after the dispatch is effected.

- Invoice in Triplicate
- Delivery Challan in duplicate.
- Guarantee certificate in duplicate.
- Lorry Way Bill Copy
- Proof of receipt of material at Trichy stores
- Inspection report & Test Certificate copies
- ED gate pass original or copy with a confirmation that the original is sent with the goods.

Foreign Bidders - Payment shall be made on 100% CAD basis (Cash against documents) If LC is requested , loading charges @ 1.5% of the basic charge will be applicable .

Documents required for payment :

- Bill of Lading
- Invoice
- Packing list
- Country of origin certificate
- Inspection report
- Test Certificate / Compliance certificate
- Performance Bank Guarantee

11. BHEL prefers the manufacturers to quote directly. In case this is not possible and the bid is being submitted through an Indian agent, the following details are to be furnished along with the bid:
- a. The letter from their Principal authorising the Indian agent to submit the bid on their Principal's behalf. In case the Indian agent submits bid on their own letter head then a covering letter (in original) from the Principal should be enclosed, clearly mentioning that they are bound by the bid submitted by the Indian agent on their behalf.
 - b. Precise relationship between foreign suppliers and their Indian agents and their mutual interest in business, should be clearly spelt out.
 - c. Any payment, which the agent receives in India or abroad, from the foreign supplier, whether as a commission or as a general retainer fee is to be mentioned in the bid.
 - d. All services to be rendered by the agent, whether of general nature or in relation to the particular contract, must be clearly stated by the foreign supplier and the Indian agent.
 - e. The amount of agency commission agreed to between the foreign principal and the Indian agent should be specifically disclosed and the agency commission will be paid in Indian Rupees only on satisfactory completion of the contract.
 - f. For calculation of rupee equivalent of agency commission, exchange rate as prevailing on the date of order will be taken.
 - g. Copy of current agency agreement is to be enclosed without which the bid is liable for rejection.

12. **Performance Bank Guarantee (PBG) – For INDIGENOUS & FOREIGN VENDORS:** The Bidder, in the event of an order, should furnish a Performance Bank Guarantee from any one of the attached list of consortium banks or counter-guaranteed by any one of this list of banks, at no extra cost in BHEL's Performa which will be provided by BHEL along with the order, for an amount equivalent to 10% (Ten percent) of the value of the contract. The Bank Guarantee should remain in full force and effect during a period of 24 months from the date of dispatch of materials or 18 months from the date of their commissioning whichever is earlier with an additional claim period of two months.
13. **Liquidated Damages:** If the supplier fails to deliver the fittings within the period specified in the contract the purchaser shall deduct Liquidated Damages, a sum equivalent to 0.5% of the price for each week of delay up to a maximum of **15%** of the price of delayed/undelivered portion.

LD, if applicable, will be levied from the order delivery date to the date of Bill of lading/LR in case of CFR/FOR contracts and to the date of the inspection in case of FOB contracts. Grace periods are not acceptable.

14. **Risk Purchase:** Alternatively the purchaser at his option will be entitled to terminate the contract and to purchase elsewhere at the risk and cost of the seller either the whole of the goods or any part which the supplier has failed to deliver or despatch within the time stipulated as aforesaid or if the same were not available, the best and the nearest available substitute therefore. The supplier shall be liable for any loss which the Purchaser may sustain by reason of such risk purchases in addition to penalty at the rate mentioned under liquidated damages.
15. The correspondence between the bidder and BHEL through email is considered to be valid document legally though not signed. It is treated as valid confirmations made on behalf of the respective company and comes under the legal ambit of the business transaction and hence binding on both the parties.
16. Bidders participating in the tender should declare in their technical bid whether they have been black-listed / kept on hold / given Business holiday for a specified period by any Public Sector Undertaking or Government Departments. The reasons for such action with details and the current status of such hold shall be clearly furnished to BHEL. If no such details are mentioned in the bid, it will be construed that the bidder is not under any such hold. However, at a later date if it comes to the notice of BHEL about any such hold under enforcement, BHEL reserves the right to reject the bid at any point of time and also under any stage of the finalisation of the tender. Such bidders will not be permitted to participate in the further tender proceedings and will be communicated suitably.
17. **Packing and Marking:** The Supplier shall arrange for securely protecting and packing the stores to avoid loss or damages during transit.

18. Inspection :

For Indigenous vendors : Inspection shall be by BHEL / BHEL approved third party inspection agency . No inspection charges are applicable to the vendor. Inspection charges shall be borne by BHEL . However testing charges shall be included in vendors scope.

For Foreign vendors: Inspection shall be by reputed agencies like Lloyds , BV , SGS , TUV etc .. (Vendor shall indicate the name of the agency in the technical bid).Inspection charges shall be included in the quoted price .

19. Price bids of the Techno-commercially rejected vendors will not be considered.
20. BHEL reserves the right to negotiate L1 rate or re float the tender opened if L1 price is not the lowest acceptable price to them inter-alia other reasons.

21. Any other conditions which might have been quoted by the seller and are in contravention to the terms prescribed in the order and which have not been specifically accepted in by purchaser will not be applicable to the contract.
22. BHEL/End customer reserves the right to inspect the item ordered at any stage at vendor's works.
23. Date of price bid opening/Reverse Auction will be informed later after acceptance of bid on technical ground.
24. Bidders are to confirm to all the above points in their "Technical and unpriced commercial bid". In case of incomplete/inadequate information provided against the requirements of this tender, the bid shall be liable for rejection.

F) LIST OF DOCUMENTS ENCLOSED :

- Annexure 1 – List of items
- **BHEL Checklist** (To be filled by the vendor and sent along with Techno-commercial Bid)
- BHEL Technical Specification PC:TSP:VLH:001 Rev00
- BHEL Quality requirement QPG:VLH:01
- List of Consortium Banks
- Performance Bank Guarantee Format

The above documents form part of this tender document and bidder shall ensure that they have received all these along with the tender .

Contact details of BHEL/Piping centre/Purchase:

G.NIVEDHA

Engineer / Purchase

044 -28161265

nivedha@bhelmpc.co.in

S.VARADARAJAN

Manager / Purchase

044-28161243

varada@bhelmpc.co.in

K.RAJAN

Senior Manager / Purchase

044-28161217

rajan@bhelmpc.co.in

G.PANNEER SELVAM

SDGM / Materials

044-28161355

gps@bhelmpc.co.in

ANNEXURE 1 – VARIABLE LOAD HANGERS REQUIREMENT

SL NO	VLH TYPE	QTY (NOS)	VENDOR'S VLH VARIANT REF	CURRENCY	UNIT RATE (RATE PER NO)
1	SA-01-080	48			
2	SA-02-080	37			
3	SA-05-160	18			
4	SA-06-160	85			
5	SA-07-160	53			
6	SA-10-160	63			
7	SA-11-080	126			
8	SA-12-080	31			
9	SA-13-160	32			
10	SH-01-080	542			
11	SH-01-160	23			
12	SH-02-080	1176			
13	SH-02-160	419			
14	SH-03-080	1104			
15	SH-03-160	446			
16	SH-04-080	842			
17	SH-05-080	659			
18	SH-06-080	242			
19	SH-06-160	267			
20	SH-07-080	361			
21	SH-07-160	1201			
22	SH-08-160	244			
23	SH-10-080	290			
24	SH-10-160	701			
25	SH-11-160	177			
26	SH-12-160	29			
27	SS-03-080	34			
28	SS-04-080	29			
29	SS-05-080	69			
30	SS-06-080	101			
31	SS-07-080	65			
32	SS-11-080	48			
33	SS-11-160	38			

SL NO	BHEL REQUIREMENT	AGREED / SUBMITTED
1	Quotes have to be submitted in TWO parts as per para A.7 & para A.8	
2	Point to point reply to eligibility criteria as per para B to be given in the offer . Supporting documents to be submitted.	
3	Confirmation to BHEL Technical specification PC:TSP:VLH:001 Rev00	
4	Vendor's technical details , drawings and product catalogue to be submitted	
5	Confirmation to BHEL's Quality requirement QPG:VLH:01	
6	Vendor's Quality plan to be submitted	
7	Deviations in BHEL's Technical specification or Quality Plan , if any , shall be clearly spelt out in the Techno-Commercial Bid. UNDISCLOSED DEVIATIONS ARE NOT ACCEPTABLE.	
8	Compliance to Annexure 1 indicating the list of items	
9	Make note of Quantity split as mentioned in para D.3	
10	Complete address of the Corporate office with contact details	
11	Complete address of the Manufacturing Unit with contact details	
12	Delivery period as per para E.2: 3 months from the date of approved documents	
13	Delivery Terms – Foreign Bidders as per para E.3 : CFR / CHENNAI or FOB (nearest port to be indicated) Vendors quoting on CFR basis shall arrange for FREE container retention period of 21 days for clearance of cargo.	

SL NO	BHEL REQUIREMENT	AGREED / SUBMITTED
14	Delivery Terms – Indigenous Bidders as per para E.3: FOR / BHEL Trichy Stores (Rates quoted shall be inclusive of Packing , Forwarding , Freight & Insurance)	
15	Bid Validity as per para E.5 : 90 days from the date of technical bid opening	
16	Prices to be quoted on “per unit basis” ie “ per no basis” Prices must be firm till the completion of supply.	
17	Bid currency - Foreign bidders : EURO / USD / POUND only	
18	Bid currency – Indigenous bidders: INR only	
19	Excise Duty / CST / VAT to be indicated as per para E.8	
20	Payment Terms – Foreign Bidders as per para E.10: 100% CAD basis If LC is requested , loading charges @ 1.5% of the basic charge will be applicable .	
21	Payment Terms – Indian Bidders as per para E.10: 100% payment after 45 days of satisfactory acceptance of materials at BHEL, Trichy Stores	
22	Documents to be submitted if an Indian agent is quoting for a foreign vendor as per para E.11	
23	Performance Bank Guarantee as per para E.12	
24	LD clause as per para E.13	
25	Risk Purchase clause as per para E.14	
26	Inspection as per para E.18 In case of foreign vendor , Name of the inspection agency to be furnished.	

List of Consortium Bank

Nationalised Bank		Nationalised Bank	
1	Allahabad bank	19	Vijaya Bank
2	Andhra bank		Public Sector Banks
3	Bank of Baroda	20	IDBI
4	Canara Bank		Foreign bank
5	Corporation bank	21	CITI Bank N.A
6	Central bank	22	Deutsche Bank AG
7	Indian Bank	23	The Hongkong and Shanghai Banking Corporation Limited
8	Indian Oversea Bank	24	Standard Chartered Bank
9	Oriental bank of Commerce	25	The Royal Bank of Scotland N.V.
10	Punjab National Bank	26	J P Morgan
11	Punjab & Sindh Bank		Private bank
12	State Bank of India	27	Axis Bank
13	State Bank of Hyderabad	28	The Federal Bank Limited
14	Syndicate Bank	29	HDFC
15	State Bank of Travancore	30	Kotak Mahindra Bank
16	UCO Bank	31	ICICI
17	Union Bank of India	32	Indusind Bank
18	United Bank of India	33	Yes Bank

(TO BE STAMPED IN ACCORDANCE WITH STAMP ACT AND THE EXPIRY DATE OF BG MUST BE AFTER 60 DAYS FROM THE DATE OF COMPLETION OF WARRANTY PERIOD)

PERFORMANCE BANK GUARANTEE

In accordance of M/s. Bharat Heavy Electricals Limited (A Government of India undertaking, a company incorporated under the Companies Act 1956 having its Registered Office at “BHEL House”, SIRI Fort, New Delhi 110 049) through its Piping Centre, 80 G.N.Road, T.Nagar, Chennai – 17. (hereinafter called ‘the Company’) having entered into a contract withhereinafter called ‘ the said contractor ‘ which term includes ‘suppliers’ for the purpose of this Bond and under the terms and conditions of the contract No..... Dt Between BHEL, Trichy and as per the contract, the contractor / supplier is to furnish a performance Bank guarantee for Rs. for the due performance of the equipment to be supplied under the above referred contract and for the fulfillment of all the terms and conditions of the contract, We(indicate the name of the bank) (herein after referred to as the bank) at the request of (Contractor(s)) do here by undertake to pay the company an amount not exceeding Rs.....against any loss or damage caused to or suffered or would be caused to or suffered by the company by reason of any breach by the said contractor (s) of any of the terms and conditions contained in the said agreement.

2. We(indicate the name of the bank with full address), do hereby undertake to pay the amounts due and payable under this guarantee without any demur, merely on a demand from the Company stating that the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by the Company by reason of breach by the said Contractor(s) of any of the terms and conditions contained in the said Agreement or by the reason of the contractor(s) ‘failure to perform’ the said agreement. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs._____.

3. We undertake to pay unconditionally to the Company any money so demanded notwithstanding any dispute(s) raised by the Contractor in any suit, or proceedings pending before any Court or Tribunal or Arbitration or before any other authority relating thereto our liability under this present being absolute and unequivocal. The payment under this guarantee would not wait till the disputes have been decided by any Court or Tribunal or in the arbitration proceedings or by any other authority. The payment so made by us under this Bond shall be a valid discharge of liability for payment thereunder and the Contractor(s) shall have no claim against us for making such payment.

4. We.....(indicate the name of Bank), further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Agreement and that it shall continue to be enforceable till all the dues of the Company under or by virtue of the said Agreement have been fully paid and its claims satisfied or discharged or till _____Office / Department/ Division of the Company certifies that the terms and conditions of the said Agreement have been fully and properly carried out by the said Contractor(s) and accordingly discharges this guarantee.

5. (I) Unless a demand or claim under this guarantee is made on us in writing on or before the _____ we shall be discharged from all the liability under this guarantee thereafter. But where such claim or demand has been preferred by the Company with the Bank before the expiry of the said date, the claim shall be enforceable notwithstanding the fact that the said enforcement is effected after the said date.

(ii) For the purpose of this clause, any letter making demand on the Bank by M/s. BHEL dispatched by Registered Post with Ack.Due or by Telegram or by any Electronic media addressed to the above mentioned address of the Bank shall be deemed to be the claim / demand in writing referred to above irrespective of the fact as to whether and when the said letter reaches the Bank, as also any letter containing the said demand or claim is lodged with the bank personally.

6. We(indicate the name of Bank), further agree with the company that the Company shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance by the said Contractor (s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the Company against the said Contractor(s) and to forbear or enforce any of the terms and conditions relating to the said Agreement and we shall not be relieved from our liability by any reason of any such variation or extension being granted to the said Contractor(s) or for any forbearance, act or omission on the part of the company or any indulgence by the company to the said Contractor(s) or by any such matter or thing whatsoever which under the law relating would, but for this provision, have effect of not so relieving us.

7. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor(s).

8. It shall not be necessary for the company to proceed against the contractor before proceeding against the guarantor-bank and the guarantee herein contained shall be enforceable against them notwithstanding any security, which the company may have obtained or obtain from the Contractor shall, at the time when proceedings are taken against the guarantor hereunder be outstanding or unrealised.

9. Any claim or dispute arising under the terms of this document shall only be enforced or settled in the Courts at Tiruchirapalli.

10. The guarantor hereby declare that it has power to execute this guarantee and the executant has full powers to do so on its behalf under the proper authorities granted to him/them by the guarantor.

11. We(indicate the name of Bank) lastly undertake not to revoke this guarantee during its currency except with the previous consent of the company in writing.

In witness whereof we....., (indicate the name of Bank) have hereunto setout Bank Seal the _____ day _____ month 200

BANK E-MAIL ID:
BANK PHONE NO.
BANK FAX NO:

QUALITY REQUIREMENTS FOR PROCUREMENT OF VLH

Doc No : QPG:VLH:01

Dt : 12.09.12

Sl. No	COMPONENT / OPERATIONS	TYPE OF CHECK	RECORDS TO BE SUBMITTED	REMARKS
Raw material / Components				
1	Pipes, Tubes, Plates, Bars, Rolled sections & Spring rod	Chemical, Mechanical properties & HT condition as per specification	TC / CoC	TC : Test certificate CoC : Certificate of compliance
2	Springs	a) Visual & dimension b) Heat Treatment c) Mechanical test d) Magnetic particle test (MPI) e) Scragging test ** f) Cramping test ## g) Hardness test h) Load Vs Deflection i) Surface Protection j) Marking & Heat number	TC & Test Reports	HT : Heat Treatment ** & ## - Refer note.
Inprocess				
3	Welding	Procedure & Performance Qualification details (WPS/PQR)	WPS, PQR	
4	NDE for welding	LPI/MPI	Reports	
Final				
5	Hanger assembly	Visual & dimension	TC	
6	Hangers Functional test	Travel characteristics (Minimum 5 readings per assembly)	Test Reports	
7	Painting (As per Specification)	Surface preparation, Paint & DFT	TC	
8	Identification (As per Specification)	Marking, Name plate	TC	
9	Packing	Refer Note:2		
10	Documentation	Verification of Records	TC, IR & other quality documents as above	IR - Inspection Report

NOTE : 1. Vendor shall submit their quality plan, Manufacturing & Testing procedure for hangers including springs to BHEL for approval along with offer.

2. Hangers shall be suitably packed in box / crate with polyethene lining to avoid damages during transit & storage.

3. All hangers shall be inspected at Vendor's works by BHEL / BHEL authorised inspection agency and Inspection Report shall be issued by them.

** All springs shall be scragged by compressing to solid height and releasing three times consecutively. The free length measured after scragging shall meet the free length dimension indicated in the drawing / P.O.

Cramp Test is to be performed on all the springs by holding spring compressed to a Minimum working length for a period of not less than 6 hours. Then all the springs shall be visually examined for any crack, damages, all springs shall be free from crack or any damages.