



General Note: **BHARAT HEAVY ELECTRICALS LIMITED**

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

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PHONE : 0431-2574111
GRAMS : BHARATELEC
FAX NO: 0431-2520719
E-mail :
Web :

429-002/A

OFFICE COPY

Collective No.

1801700003

Enquiry Date

02.01.2017

**Due Date For
Quotation**

28.01.2017

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	963721870000 GUN ENGAGE L.SWITCH TOP PUSH ROD PLUNGER (Explosion proof) AS PER TOS-1002/00	NO	250.000	250.00	24.03.17
20	970530250000 COALGATE L.SWITCH VERT ROLLER PLUNGER As per Spec TOS:200/Rev:01	NO	50.000	50.00	24.03.17

General Note:

01. The Tender will be operated on TWO PART BID basis and you are requested to submit Techno-commercial bid and Price bid separately in EPS. General procedure for obtaining Digital Signature and other procedures are detailed in Annexure-E. Offers through other mode are not acceptable.

02. Please take note of Annexure-D (Pre-qualification criteria). The same will be considered for evaluation of your offer. The requisite documents shall be submitted along with techno-commercial offer for evaluation.

03. The supply shall be as per BHEL specification TOS:1002/00 for Gun Engagement Limit Switch (Enquiry SI No. 10) & TOS:200/Rev:01 for Coal Gate Limit Switch (Enquiry SI No. 20) attached with enquiry and please give point wise confirmation for the same.

04. All Dimensional Drawings with unit weight to be submitted along with the offer.

05. The items are to be despatched to BHEL Trichy Stores on FOR /Destination basis and you are requested to quote the rates accordingly.

06. Specific confirmation is required for the Annexure-A (commercial terms and conditions) which is to be filled and submitted along with techno-commercial offer for evaluation.

07. Please take note of Annexure-B (loading factors for commercial

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**

B. S. Srinivas
03/01/17
B. S. SRINIVASA
MANAGER / PURCHASE
(FOSSIL BOILERS)

Materials Management / BOI
BHEL, TIRUCHY - 620 014,



BHARAT HEAVY ELECTRICALS LIMITED

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1801700003 / 02.01.2017

23505

deviations). The same will be applicable for evaluation of net cost to BHEL basis and is to be filled and submitted along with techno-commercial offer.

08. Special provision for MSE suppliers is applicable as per the Annexure-C. Vendor to submit the required documents as stipulated in Annexure-C for availing the same.

Enclosures:

- 01) General terms and Conditions
- 02) Annexure - A (Commercial terms & conditions).
- 02) Annexure - B (loading factors)
- 04) Annexure - C (Special provision for MSE vendors)
- 05) Annexure - D (Pre - Qualification requirement)
- 06) Annexure - E (E-Procurement general Guidelines)
- 07) Specifications:
 - a) TOS:1002/00 &
 - b) TOS:200/Rev:01

"LD clause has to be confirmed without fail."

The bidder along with its associate / collaborators / sub-contractors / sub-vendors / consultants /service providers shall strictly adhere to BHEL fraud prevention policy displayed on BHEL website <http://www.bhel.com> and shall immediately bring to the notice of BHEL Management about any fraud or suspected fraud as soon as it comes to their notice.

PR Links

Material.	PR.No	PR.Item.	Quantity	Acc. Assign	Customer Number
963721870000	116524884	00010	50.000	H1/5738	H1/5738
963721870000	117087125	00010	200.000	U8/1801	U8/1801
970530250000	117087125	00020	50.000	0073006160/174010	U8-1800

list of suppliers

RFQ-5200005602

Open Tender Dummy Code

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

[Signature]
PR SOWMIYA
MANAGER / PURCHASE
FOSSIL BOILERS
Materials Management / B01
Yours faithfully
BHEL, TIRUCHY - 620 014.



An ISO 9001 Company

Bharat Heavy Electricals Limited/HPBP
Tiruchirappalli-620 014, Tamil Nadu, India
Dept : PURCHASE-MATERIALS MANAGEMENT/BOI

ANNEXURE-A

ACCEPTANCE OF TECHNO - COMMERCIAL TERMS AND CONDITIONS BY THE BIDDERS

(This techno-commercial sheet should be duly filled & signed, & should be the part of Bid part no-I)

Description of the Items:		Gun Engagement and Coal Gate Limit Switch
Enquiry Ref:		Enquiry No. 1801700003/14 dt 02.01.2017.
Sl. No.	Description	Vendor's confirmation
1	The tender will be operated on Two-Part Bid basis and the vendors are requested to submit both Techno-Commercial bid and Price Bid separately through E-Procurement. In case of direct hard copy offers, the same will be returned to the supplier without opening.	
2	Technical: Supply shall be as per BHEL Specification TOS- 1002/00 & TOS:200/Rev.01 attached with the enquiry.	
3	Firm Price: The quoted/Finalised rates shall be Firm till execution of the supplies.	
4	Price Basis: Materials are to be dispatched to BHEL TRICHY stores after inspection and on specific dispatch clearance. All Materials are to be dispatched on FOR/BHEL TRICHY stores basis inclusive of P & F, Freight & Insurance to your account. Freight Amount - To be included. [if extra indicate in %] Insurance Amount - To be included. [if extra indicate in %] Note: The offer will be evaluated on total landed cost to BHEL.	
5	Payment terms: <u>For Indigenous Vendors:</u> Payment term is 100% direct payment after 45 days from the date of receipt and acceptance of materials at our stores. <u>For Import Vendors:</u> Payment term is 100% payment on CAD basis after 45 days from the date of receipt of documents, specified in PO, at BHEL bank. Respective bank charges to respective account.	
6	Liquidated damages: Our standard LD term is 0.5% per week or part thereof subject to a maximum of 10% of the total order value shall be applicable for delay in despatches.	
7	Risk Purchase: If the supplier fails to deliver the goods within the delivery specified in the purchase order, BHEL 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 delivery period mentioned in the purchase order.	
8	Delivery Period: Delivery shall be as per enquiry. Bidder shall indicate the earliest possible delivery.	



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Sl. No.	Description	Vendor's confirmation
9	Validity: Price Validity of your offer shall be Minimum 120 days from the date of Techno-Commercial Bid opening.	
10	Guarantee: Guarantee clause 18 months from the date of supply or 12 months from the date of commissioning, whichever is earlier.	
11	Inspection: Will be done at Vendor's Works before Dispatch by BHEL/BHEL's customer / BHEL's authorized Inspection agency.	
12	In addition to the above, vendors who are not registered vendor of BHEL have to submit the vendor registration documents for evaluation and approval by BHEL. The same can be downloaded from BHEL website (www.bhel.com--> Supplier registration->Online supplier registration portal or http://supplier.bhel.in). Duly filled in Supplier Registration Forms, along with all credentials and supporting documents, Certificate of Rating from D & B (Dun & Brad) or equivalent agencies (For Foreign Vendors), Financial Performance / Profit & Loss Account / Balance sheet for last three years etc (With Techno-Commercial Bid). Availability of minimum manufacturing, handling, testing and measuring facilities, to be detailed are to be mentioned clearly. All the documents to be uploaded. Apart from qualifying the Techno-Commercial requirements of the enquiry, BHEL has the right for spot assessment of the facilities for evaluation, approval and for registration. Apart from online submission, Hard copy has to be forwarded to SM/SDC/MM/BHEL/TRICHY. Also vendor has to indicate the registration no. in their offer. Your offer will be considered subject to Techno-Commercial Suitability & evaluation and approval by BHEL as permanent vendor in BHEL PMD.	

(Please refer Annexure-B duly enclosed for the loading factors that will be considered for commercial terms deviations in arriving net cost to BHEL).



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ANNEXURE-B

Loading factors for the tender enquiry for the requirement of Limit Switch

Sl. No.	BHEL Commercial terms	Vendor Confirmation to BHEL Commercial terms	Loading Criteria for Deviations
1	Payment terms: <u>For Indigenous Vendors:</u> Payment term is 100% direct payment after 45 days from the date of receipt and acceptance of materials at our stores. <u>For Import Vendors:</u> Payment term is 100% payment on CAD basis after 45 days from the date of receipt of documents, specified in PO, at BHEL bank. Respective bank charges to respective account		Any deviation in the above payment term will attract loading as mentioned below. "Base rate of SBI (as applicable on the date of bid opening. Techno-commercial bid opening in case of two part bids) + 6% shall be considered for loading for the period of relaxation sought by bidders. •In the case of Usance LCs the loading will be considered @ 1.5% on the offered Value. •For LC at sight the loading will be considered @ 3.5% on the offered Value. Normally CAD at sight and Confirmed LCs are liable for rejection
2	Liquidated damages: Liquidated damages shall be 0.5% of the total order value per week or part thereof subject to a maximum of 10% of the total order value.		Any deviation from the above LD clause, loading will be applied to the extent to which it is not agreed by the bidder (at offered value).
3.	Guarantee: Guarantee clause 18 months from the date of supply or 12 months from the date of commissioning, whichever is earlier.		No deviation permitted and the deviated offers are liable for rejection.
	<u>Important Note:</u> i) Payment through Bank is not preferred. In case of Payment through Bank is opted by Supplier, BHEL prefers documents submission through bank with copy of LR and door delivery of Goods to Site/Stores with Consignee copy attached. In this case Loading will be 3% on the offered value. In case of Direct to Site (DTS), only 90% through bank will be considered. ii) BHEL will evaluate the offers and consider the ranking after the loading is applied as referred above wherever deviations are observed. iii) Offers of indigenous Suppliers with payment terms as LC/Advance Payment are liable for rejection.		



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Annexure - D - Pre-Qualification Criteria (PQR)

- 1) Vendor shall be established manufacturer or Manufacturer Authorised trader/ dealer/ distributor of Limit Switch. Vendor or actual manufacturer should have adequate engineering and manufacturing facilities and furnish technical backup documents.
- 2) Vendor shall have / shall arrange for adequate testing facilities and shall carry out all inspection and tests as specified in the specification.
- 3) Proven track record is required. Minimum two end user certificates for the satisfactory operational performance of their equipment's supplied (make).
- 4) Equipment supplied and commissioned reference list to be enclosed.
- 5) In case of ordering, the Vendor shall have the responsibility for the following.
 - i) He should have the component replacement responsibility in case of defective / failure.
 - ii) Experts from Vendor's side shall associate in commissioning activities at site, if required.
 - iii) He should ensure the product performance during erection & commissioning and ensure performance guarantee. BHEL reserves the right to demand the Performance BG if required.
- 6) Following are the points to be ensured when authorized trader/dealer/distributor participates in the enquiry.
 - i) In a tender, either the dealer on behalf of Principal/OEM or Principal/ OEM itself can bid but both cannot bid simultaneously
 - ii) If agent submits bid on behalf of the Principal / OEM, same agent shall not submit the bid on behalf of another principal / OEM
 - iii) Valid Authorization letter from manufacturer has to be submitted and then only their offer will be considered.



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ANNEXURE-E - General Procedures for E-Procurement

BHEL Trichy has implemented e-Procurement (www.bheleps.buyjunction.in) and it is going to be the way of working in future.

The following are the benefits of e-Procurement Process.

1. Ensuring no offer is missed due to last minute submission, postal delays etc.
2. Reduced Tendering & ordering cycle time
3. Economical, smoother & speedy communication
4. Greater Transparency
5. Big step towards paperless procurement process, Minimal human error
6. No geographical barriers
7. Vendor gets alerts regarding issue of new tender enquiry, amendments, clarifications etc
8. Submission of offer from the comforts of their office from any location
9. on line clarifications
10. Direct Cost Savings such as reduced Paper costs, reduced printing costs, reduced mailing costs, reduced telephone costs and reduced fax costs.

BHEL has finalized the e-procurement service Provider

M/s mJunction services Limited, Kolkata

Godrej Water Side, 3rd Floor, Tower-1, Plot-V, Block - DP

Sector - V, Salt Lake, Kolkata-700091, West Bengal, INDIA.

Please get in touch with them immediately. The contact details of the service provider is given below:

- a. DHANARAJ.P email: panneer.dhanaraj@mjunction.in, Cell 9500199108
- b. HELPDESK email: eps.customercare@mjunction.in, Phone No: 033-66106426/6217/6013/6046/6176, 9163348283 / 9163348284 / 9163348285 / 9163348286 / 8584008116

The process of utilizing e-procurement necessitates usage of **DSC (Digital Signature Certificate)(Class 3- SHA2- 2048 BIT- SIGNING & ENCRYPTION)** and you are requested to procure the same immediately, if not presently available with you. Please note that only with DSC, you will be able to login the e-procurement secured site and take part in the tendering process.

The contact details of the DSC Certifying Authority as given below

- | | | |
|---|---------------|--|
| 1 | e-Mudhra | http://www.e-Mudhra.com |
| 2 | GNFC | www.ncodesolutions.com |
| 3 | IDRBT | www.idrbtca.org.in |
| 7 | TCS | www.tcs-ca.tcs.co.in |
| 4 | MTNLTrustline | www.mtnltrustline.com |
| 5 | NIC | www.safescrypt.com |
| 6 | Safescrypt | www.safescrypt.com |

Vendors are requested to go through seller manual available on www.bheleps.buyjunction.in

I) Hardware and Software requirements for participating in e-tender

Requirement for participating in e-Procurement is as under:

- i) A Computer with internet connectivity (Internet Explorer Version 9 and above).
- ii) Digital Signature Certificate (Class 3- SHA2-2048 BIT- with both Signing and Encryption component separately).
- iii) JAVA (Version 1.8 Update 45).



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iv) The site is best viewed in Internet Explorer 9.0. If you are using Internet Explorer 10 or above then enable compatibility view available under Tools menu

II) PROCEDURE FOR ENTERPRISE PROCUREMENT SYSTEM (EPS)

a. Interested bidders / Suppliers shall submit their offer through e-Procurement mode at <https://bheleps.buyjunction.in> Offers in any other mode will not be accepted. For Enterprise Procurement System (EPS) Bidders/Suppliers are requested to follow these steps.

DIGITAL SIGNATURE REQUIREMENT:

Suppliers interested for registration for BHEL Open Tenders should have a valid DSC (Digital Signature Certificate) before Proceeding forward for Registration. Herein a Valid DSC refers to an Active and unexpired Signing and Encryption Certificate, with specification Class III SHA 2 2048 bit.

UNREGISTERED SUPPLIER IN EPS:

Procedure for Online Registration in EPS for Open Tender Suppliers for BHEL

Unregistered Supplier: Supplier visits EPS at <https://bheleps.buyjunction.in>

Please follow the below steps for registration

1. Click Register Button (Top of the Screen)
2. Please input your organization PAN No (in case of Indian supplier) or click "Foreign" in case you are an overseas Supplier.
3. Click on INTERESTED Button against the respective BHEL Unit
4. Key in your desired login id (Login Code should be 8 - 24 characters in length and can only use numeric values) If you have registered by keying in PAN No. then your desired login id will be prefixed by "OTI", In case of overseas suppliers it will be prefixed with "OTF"
5. Fill in the other details.
6. Fill in the Captcha code and click next
7. Register your Signing certificate and click next
8. Select atleast one procurement category you may be dealing in.

Once the above steps are completed, your profile will be activated by mjunction within 2 business hours. After registering follow the steps provided in "For Registered Supplier" to view RFQ.

In case of any assistance, please call the following nos. for support: 033-6601 1717 (From 9:30am to 5:30pm)

NB:-

1 -- BHEL Administrator or user will have no role for approving Registration and Open Tenders and DSC for Any supplier who has registered himself from the front END which is in case of OT.

FOR REGISTERED SUPPLIER IN EPS:

- a. Supplier visits EPS home page
- b. Supplier signs in with their user id and password
- c. Selects the RFQ Code and views it.
- d. Attaches themselves to the RFQ by clicking the interested button
- e. Supplier fills the bid template and makes necessary attachments
- f. Supplier submits their bid by clicking CONFIRM.

In case of any assistance, please call the following Nos. for support:
033-6601 1717 (From 9:30am to 5:30pm)

Annexure C

Clause: Special Provisions for Micro and Small Enterprises (MSE):

1. 20% of the tendered quantity is earmarked for MSE suppliers in this tender.
 2. Out of the 20% tendered quantity reserved for MSE suppliers, 4% shall be earmarked for procurement from MSE owned by SC / ST entrepreneurs.
 3. In case MSE vendor participating in the tender quotes within the price band of L1 + 15%, they will be allowed to supply the portion of the requirement subject to acceptance of L1 price by MSE vendor. In case of more than one such MSE, the supply shall be shared proportionately.
 4. MSE suppliers can avail the intended benefits only if they submit along with offer, attested copies of either EM II certificate having deemed validity (Two years from the date of issue of acknowledgement in EM II) or valid NSIC certificate or EM II certificate along with CA certificate (Format enclosed) applicable for the year, certifying quantum of investment in plant and machinery within the permissible limit as per the act for relevant status (Micro or small) where the deemed validity of EM II is over. Date to be reckoned for determining the deemed validity will be the last date of technical bid submission. Non submission of such documents will lead to consideration of their bids at par with other bidders and MSE status of such suppliers shall be shifted to Non MSE supplier till the supplier submits these documents.
-

Certificate by Chartered Accountant on letter head

This is to Certify that M/S
(hereinafter referred to as 'company') having its registered office at
is registered under MSMED Act 2006, (Entrepreneur
Memorandum No (Part-II) dtd:.....,
Category: (Micro/Small)). (Copy enclosed).

Further verified from the Books of Accounts that the investment of the company as on
date..... as per MSMED Act 2006 is as follows:

1. **For Manufacturing Enterprises:** Investment in plant and machinery (i.e. original cost
excluding land and building and the items specified by the Ministry of Small Scale Industries vide its
notification No.S.O.1722(E) dated October 5, 2006 :
Rs.....Lacs
2. **For Service Enterprises:** Investment in equipment (original cost excluding land and building and
furniture, fittings and other items not directly related to the service rendered or as may be notified under the MSMED
Act, 2006:
Rs.....Lacs

The above investment of Rs.....Lacs is within permissible limit of
Rs.....Lacs forMicro / Small (Strike off which is not applicable)
Category under MSMED Act 2006.

Date:

(Signature)

Name -

Membership number -

Seal of Chartered Accountant





FUEL SYSTEMS
PE (BOILERS)

TOS:200 / Rev : 01
SHEET 01 of 02

1. Item name & BHEL Material code :
ITEM 1: Gun engage limit switch- AC
Material Code 97 372 204 0000
ITEM 2: Gun engage limit switch Spl;
Material Code 97 053 945 0000
ITEM 3: Gun Adv./Retract Limit switch Spl/ Bnr Coal gate;
Material Code 97 053 025 0000
2. Ambient temperature : 121 °C
3. Operator : ITEM 1: Top push rod plunger
ITEM 2: Turret head, Side push rod plunger (Adjustable)
ITEM 3: Turret head, side vertical roller plunger
4. Contact action : Spring Return snap action
5. No. Of contacts : 1 NO-1 NC, SPDT Double break for item 1 ;
2 NO-2NC DPDT for items 2 & 3.
6. Contact rating : 480 AC 15 Amp and 110 DC 0.5 Amp.
7. Enclosure : Water, Oil & Dust tight (NEMA 4 & 13)
8. Conduit entry : ½" 14 NPT Female
9. Materials : Die cast zinc alloy or aluminium rugged body,
silver contacts, seal or Viton or silicon

Prepared	Checked	Approved
N.Sairam	G.Saravanakumar	M.Thandapani
28 Dec 2013	30 Dec 2013	30 Dec 2013



10. Dimensions: Make equivalents as below:

	Item 1	Item 2	Item3
Namco:	EA510-14700	EA510-22700	EA510-23700
Micro Switch:	LSYCC3K	LSYWC7L	LSYFC7L
Square-D:	BM53E-Y140	BM61G-Y140	BM61F-Y140

11. Standard routine and type test certificates shall be submitted along with each supply.

12. Marking :

In addition to the manufacture's standard name plate, name tags carrying item name and BHEL material code shall be firmly affixed on the backside of each limit switch body and over the individual cardboard box.

13. Packing:

All opening shall be firmly capped; individually sealed in polythene covers and then in thick cardboard boxes with thermocole or equivalent wrapping; Bulk supply to be seaworthy packed in wooden boxes with suitable pads and under covers, well protected against ingress of water and transit damages.

14. Inward Inspection:

Verify the name tags, name plate, details, routine and type test certificates and cable entry; Check also mounting dimensions with reference drawing.

Rev. No	Date of Revision	Revision details
01	30 Dec 2013	Soft copy version created

Prepared	Checked	Approved
N.Saaram	G.Saravanakumar	M.Thandapani
28 Dec 2013	30 Dec 2013	30 Dec 2013

**SPECIFICATION FOR OIL GUN ENGAGEMENT
LIMIT SWITCH
(EXPLOSION PROOF)**



TOS:1002/00
SHEET: 1 of 1

Material Code : 963721870000

- | | |
|-------------------------------|--|
| 1. Item Name: | Oil Gun Engagement Limit Switch |
| 2. Ambient Temperature: | 100 Deg.C |
| 3. Operator: | Top Push Rod Plunger |
| 4. Contact Action: | Spring Return Snap Action |
| 5. No. of Contacts: | 1 NO + 1 NC SPDT Double Break |
| 6. Contact Rating: | 230V AC 5 Amps and
230V DC 0.5 Amps |
| 7. Enclosure: | Explosion proof to Group IIA & IIB |
| 8. Conduit Entry: | ½" NPT (F) |
| 9. Materials of Construction: | Die cast Aluminium body, Silver coated contacts
and Viton seals |
| 10. Documents: | Along with the offer, vendor to submit Drawings
and Catalogues |

**PREPARED :
M.Anbazhagan**

**CHECKED
M.A.**

**APPROVED
M.T.P**

DATE