



BHARAT HEAVY ELECTRICALS LIMITED

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

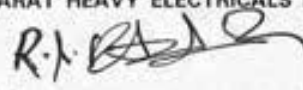
PHONE :2577938
GRAMS : BHARATELEC
FAX NO: 2520719
E-mail: tvenkat@bheltry.co.in
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429-002/A

	Enquiry No 2681600001 - 79	Enquiry Date 24.03.2016	Due Date for Quotation 18.04.2016
<p>Please quote Enquiry No, Date and due date in all correspondences. This is only a request for quotation and not an order. Bid should be submitted in two parts. 1.Techno-commercial bid (Part-I) and 2.Price bid(Part-II) in a separate sealed cover and both covers must be placed in a third cover and sealed. Our Enquiry No., Enq. date & Enq. Due date must be written on all three covers.</p>			

Item	Description	Unit	Quantity	Delivery Quantity	Schedule Date
10	<p>45KW VFD FOR HOIST APPLICATION 45KW Hoist Duty Drive for Crane Application with Crane Control Software SPECIFICATION OF VVVF DRIVE: 1.0 The VVVF Drive should be dedicated for hoist application. (CRANE DUTY application for HOIST MOTION.) 2.0 The rated output current of the drive should be at 45 deg. C ambient Temperature and maximum operating temperature shall be 55 deg. C. 3.0 Duration on any account (Viz) temperature / carrier frequency should not exceed 15% of rated output current of inverter offered. 4.0 Inverter offered should be provided with accurate brake co-ordination signals. 5.0 Vibration: The drive must be Compliant with JIS C60068-2-6 or IEC 60068-2-6 6.0 In addition to the above crane specific features the inverter shall offer the Following features: 6.01 Rated input voltage & Frequency: 3 Phase, 380-460V, 50/60 Hz. 6.02 Allowable Voltage Fluctuation : +10% to -15%. 6.03 Allowable frequency Fluctuation: +5% to -5%. 6.04 Over load capability : 150% for 1 min (Heavy Duty) 6.05 Multi Function Digital Inputs: Minimum 6 multifunction digital inputs. 6.06 Multi Function Relay Output: Minimum 2 multifunction relay outputs (110V) 6.07 Max. Output Voltage : 3 phase, 380/400/440/460V {Proportion to Input Voltage} 6.08 Max. Output frequency : 400Hz {Programmable}</p>	SET	5.000	5.00	30.06.16

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

R.I. PETER IRUDAYARAJ Senior Manager
Materials Management / Yours faithfully,
BHEL, TIRUCHY - 620 014.



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- 6.09 Control method: High carrier frequency (low noise) sine wave PWM Technique.
- 6.10 Control Supply : 110V AC.
- 6.11 Starting Torque : 150% below 1Hz (150% at 0 r/min with PG)
- 6.12 Speed Control Range : 100:1 {1000:1 with PG}
- 6.13 Speed Control accuracy : +/- 2% with PG.
- 6.14 Torque limit : Settable through program (Parameter)
- 6.15 Output frequency Resolution : 0.01 Hz. / 0.02
- 6.16 Frequency setting signal Acceleration/Deceleration Time : 0.01 to 60 sec.
- 6.17 Braking Torque : Approx. 20% (approx. 125% when using braking Resistor).

6.18 MAIN CONTROL FUNCTIONS:

- a) Auto tuning
- b) Momentary loss restart
- c) PID control
- d) Drop control
- e) DC injection
- f) Slip compensation
- g) Speed search
- h) Excess torque detection and Torque limit
- i) Multi step speed operation
- j) Accl./Decel. Time change over operation.
- k) 3 Wire sequence
- l) Operation Fault log.

6.19 PROTECTIVE FUNCTIONS:

- a) Motor overload trip
- b) Instantaneous over current trip
- c) DC bus protection
- d) Input supply Over / Under voltage trip
- e) Power loss ride through.
- f) Heat sink overheat detection & tripping(both Drive, DBU, DBR)
- g) Output Short circuit protection
- h) Input / Output

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open circuit

protection

i) Stall prevention

7.0 Keypad of the drive shall be LCD

8.0 The keypad of the VVVF drive shall be panel mounted with

necessary extension wire from the drive.

9.0 DBU of Drive shall be of same manufacturer.

10.0 DBR shall be supplied with thermal overload protection, so

that on excessive temperature the signal shall be sent to

drive and the drive will trip.

11.0 When DBU Power transistor gets shorted then drive needs to

be tripped for that necessary provision must be present.

12.0 Drives shall have protective PCB coating (Conformal coating)

13.0 DC Reactor as per the OEM recommendation.

Scope Of Supply:

1. Each VVVF Drive unit should be supplied with Suitable hoist

Dynamic Braking Unit & Dynamic Braking Resistor(atleast 50%

of motor KW), all manual & crane software installed

2. The VVVF Drive unit should be loaded with software needed for

Hoist applications in cranes.

3. For Every VVFD drive instruction manual, User manual,

starting guide, necessary parameter

catalogues shall be

supplied in Hardcopy manner.

4. DBR shall be 50% of the motor KW.

Resistance calculation

value shall be given by supplier. DBR make shall be either by

OEM or OEM recommended.

5. DC Reactor as per OEM recommendation.

6. Only YASKAWA, MITSUBISHI, FUJI & TOSHIBA make of VVVF Drives

are acceptable. Other makes are liable for rejection.

20 37KW VFD FOR HOIST APPLICATION SET 6.000 6.00 30.06.16

37KW Hoist Duty Drive for Crane Application with Crane Control Software

SPECIFICATION OF VVVF DRIVE:

1.0 The VVVF Drive should be dedicated for hoist application,

(CRANE DUTY application for HOIST MOTION.)

2.0 The rated output current of the drive should be at 45 deg. C

ambient Temperature and maximum operating temperature shall

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- be 55 deg. C.
- 3.0 Duration on any account {Viz} temperature / carrier frequency should not exceed 15% of rated output current of inverter offered.
- 4.0 Inverter offered should be provided with accurate brake co-ordination signals.
- 5.0 Vibration: The drive must be Compliant with JIS C60068-2-6 or IEC 60068-2-6
- 6.0 In addition to the above crane specific features the inverter shall offer the Following features:
- 6.01 Rated input voltage & Frequency: 3 Phase, 380-460V, 50/60 Hz.
- 6.02 Allowable Voltage Fluctuation : +10% to -15%.
- 6.03 Allowable frequency Fluctuation: +5% to -5%.
- 6.04 Over load capability : 150% for 1 min (Heavy Duty)
- 6.05 Multi Function Digital Inputs: Minimum 6 multifunction digital inputs.
- 6.06 Multi Function Relay Output: Minimum 2 multifunction relay outputs (110V)
- 6.07 Max. Output Voltage : 3 phase, 380/400/440/460V {Proportion to Input Voltage}
- 6.08 Max. Output frequency : 400Hz {Programmable}
- 6.09 Control method: High carrier frequency{low noise} sine wave PWM Technique.
- 6.10 Control Supply : 110V AC.
- 6.11 Starting Torque : 150% below 1Hz{150% at 0 r/min with PG}
- 6.12 Speed Control Range : 100:1 {1000:1 with PG}
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- 6.16 Frequency setting signal Acceleration/Deceleration Time : 0.01 to 60 sec.
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- braking
 - c) PID control
 - d) Drop control
 - e) DC injection
- detection and Torque
 - f) Slip compensation
 - g) Speed search
 - h) Excess torque
- operation
 - limit
 - i) Multi step speed
- change over
 - j) Accl./Decel. Time
 - operation.
 - k) 3 Wire sequence
 - l) Operation Fault
- log.

6.19 PROTECTIVE FUNCTIONS:

- trip
 - a) Motor overload
 - b) Instantaneous
- over current trip
 - c) DC bus protection
 - d) Input supply Over
- / Under voltage
 - trip
 - e) Power loss ride
- through.
 - f) Heat sink
- overheat detection &
 - tripping(both
- Drive,DBU,DBR)
 - g) Output Short
- circuit protection
 - h) Input / Output
- open circuit
 - protection
 - i) Stall prevention

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12.0 Drives shall have protective PCB coating (Conformal coating)

13.0 DC Reactor as per the OEM recommendation.

Scope Of Supply:

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- with Suitable hoist
- Dynamic Braking Unit & Dynamic Braking Resistor(atleast 50% of motor KW), all manual & crane software installed
- 2. The VVVF Drive unit should be loaded with software needed for Hoist applications in cranes.
- 3. For Every VVFD drive instruction manual, User manual, starting guide, necessary parameter catalogues shall be supplied in Hardcopy manner.
- 4. DBR shall be 50% of the motor KW. Resistance calculation value shall be given by supplier. DBR make shall be either by OEM or OEM recommended.
- 5. DC Reactor as per OEM recommendation.
- 6. Only YASKAWA, MITSUBHISHI, FUJI & TOSHIBA make of VVVF Drives are acceptable. Other makes are liable for rejection.

30	22KW VFD FOR HOIST APPLICATION 22KW Hoist Duty Drive for Crane Application with Crane Control Software SPECIFICATION OF VVVF DRIVE:	SET	8.000	8.00	30.06.16
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- 1.0 The VVVF Drive should be dedicated for hoist application.
(CRANE DUTY application for HOIST MOTION.)
- 2.0 The rated output current of the drive should be at 45 deg. C ambient Temperature and maximum operating temperature shall be 55 deg. C.
- 3.0 Duration on any account (Viz) temperature / carrier frequency should not exceed 15% of rated output current of inverter offered.
- 4.0 Inverter offered should be provided with accurate brake co-ordination signals.
- 5.0 Vibration: The drive must be Compliant with JIS C60068-2-6 or IEC 60068-2-6
- 6.0 In addition to the above crane specific features the inverter shall offer the Following features:
 - 6.01 Rated input voltage & Frequency: 3 Phase, 380-460V, 50/60 Hz.
 - 6.02 Allowable Voltage Fluctuation : +10% to -15%.
 - 6.03 Allowable frequency Fluctuation: +5% to -5%.
 - 6.04 Over load capability : 150% for 1 min (Heavy Duty)
 - 6.05 Multi Function Digital Inputs: Minimum

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- 6 multifunction digital inputs.
6.06 Multi Function Relay Output: Minimum
2 multifunction relay outputs (110V)
6.07 Max. Output Voltage : 3 phase, 380/400/440/460V (Proportion to Input Voltage)
6.08 Max. Output frequency : 400Hz [Programmable]
6.09 Control method: High carrier frequency [low noise] sine wave PWM Technique.
6.10 Control Supply : 110V AC.
6.11 Starting Torque : 150% below 1Hz [150% at 0 r/min with PG]
6.12 Speed Control Range : 100:1 {1000:1 with PG}
6.13 Speed Control accuracy : +/- 2% with PG.
6.14 Torque limit : Settable through program {Parameter}
6.15 Output frequency Resolution : 0.01 Hz. / 0.02
6.16 Frequency setting signal Acceleration/Deceleration Time : 0.01 to 60 sec.
6.17 Braking Torque : Approx. 20% [approx. 125% when using braking Resistor].
6.18 MAIN CONTROL FUNCTIONS:
a) Auto tuning
b) Momentary loss restart
c) PID control
d) Drop control
e) DC injection
braking
f) Slip compensation
g) Speed search
h) Excess torque detection and Torque limit
i) Multi step speed operation
j) Accl./Decel. Time change over
k) 3 Wire sequence
l) Operation Fault
log.
6.19 PROTECTIVE FUNCTIONS:
a) Motor overload trip
b) Instantaneous over current trip
c) DC bus protection
d) Input supply Over / Under voltage

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- through.
 - overheat detection & Drive,DBU,DBR)
 - circuit protection
 - open circuit
- trip
 - e) Power loss ride
 - f) Heat sink
 - tripping(both
 - g) Output Short
 - h) Input / Output
 - protection
 - i) Stall prevention

- 7.0 Keypad of the drive shall be LCD
 - 8.0 The keypad of the VVVF drive shall be panel mounted with necessary extension wire from the drive.
 - 9.0 DBU of Drive shall be of same manufacturer.
 - 10.0 DBR shall be supplied with thermal overload protection, so that on excessive temperature the signal shall be sent to drive and the drive will trip.
 - 11.0 When DBU Power transistor gets shorted then drive needs to be tripped for that necessary provision must be present.
 - 12.0 Drives shall have protective PCB coating (Conformal coating)
 - 13.0 DC Reactor as per the OEM recommendation.
- Scope Of Supply:
- 1. Each VVVF Drive unit should be supplied with Suitable hoist Dynamic Braking Unit & Dynamic Braking Resistor(atleast 50% of motor KW), all manual & crane software installed
 - 2. The VVVF Drive unit should be loaded with software needed for Hoist applications in cranes.
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40	7.5KW VFD FOR HOIST APPLICATION 7.5KW Hoist Duty Drive for Crane Application	SET	6.000	6.00	30.06.16
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with Crane Control Software
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- 6.16 Frequency setting signal
Acceleration/Deceleration
Time : 0.01 to 60 sec.
- 6.17 Braking Torque : Approx. 20%
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- 6.18 MAIN CONTROL FUNCTIONS:
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value shall be given by supplier. DBR make
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OEM or OEM recommended.
5. DC Reactor as per OEM recommendation.
6. Only YASKAWA, MITSUBHISHI, FUJI &
TOSHIBA make of VVVF Drives
are acceptable. Other makes are liable for
rejection.

General Note:

1. Please submit your detailed offer in two part bid system i.e
Part-I. Technical bid+ Checklist (Annexure-A) + unpriced bid with
indicating taxes & duties (Annexure-B) in a sealed cover super scribing
on the cover as "TECHNICAL & COMMERCIAL BID / PART-II"
Part-II. Priced offer in another separate sealed cover super scribing on
the cover as Part-II

Both the covers shall be duly super-scribed with tender reference and
due date of opening. These covers shall be put in a single cover duly
super-scribed with tender reference and due date of opening and
addressed to us.

2. Point-to-point confirmation to BHEL's specification and commercial
terms & conditions shall be provided Annexure-A. All the Annexures
should be filled and submitted along with the technical bid (no row
shall be left blank), else your offer is liable for rejection.

3. Offers with validity of less than 120 days and non-acceptance of LD
, RP clause, PBG & Payment terms, will lead to rejection of submitted
offer.

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

MANAGER / PURCHASE
(FOSSIL BOILERS)
Yours faithfully,

R.I. PETER IRUDAYARAJ
Senior Manager
Materials Management /
BHEL, TIRUCHY - 620 014.



BHARAT HEAVY ELECTRICALS LIMITED

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

Page
12/13

PHONE :2577938
GRAMS : BHARATELEC
FAX NO: 2520719
E-mail: tvenkat@bheltry.co.in
Web:

2681600001 / 24.03.2016

23505

4. If the due date of tender opening happens to be a holiday, the tenders will be opened on the next working day.
5. All clarifications may be sought at least ten days prior to tender due date, from the undersigned with due written request.
6. BHEL reserves the right to go for a reverse auction (RA) instead of opening the submitted sealed bid, which will be decided after technical evaluation. Information and general terms and conditions covering RA are given in commercial terms and conditions (Annexure-A/Point no.17)
7. Corrigendum if any, with respect to this tender will be hosted only in the website <http://www.bhel.com> or <http://tenders.gov.in>. You are requested to visit the website regularly for updates.
8. BHEL will consider MSME vendor as per Government guidelines.
9. Vendors are requested to avoid the following points while submitting the Bid Documents:
 - a) Loose or spiral bound bid documents are not encouraged.
 - b) In case of any corrections/overwriting in the tender documents, the same shall be duly attested by the bid submitter.
10. Vendors representative having proper ID proof and authorization letter shall attend the tender opening.

List of Attachments:

1. Commercial Terms and Conditions - Annexure-A
2. Price Format-Annexure-B
3. CA Certificate for MSE Vendors-Annexure-I

All the tenders may be addressed to the following address:

**The Tender Opening Cell / MM
Room No: 26, Building 24, Ground Floor
Bharat Heavy Electricals Limited
TIRUCHIRAPALLI 620014**

In case personal delivery of the offer, it shall be dropped into the respective box kept in Room No: 26, after duly entering the data in the system.

Offers will be accepted only up to 14.00 Hrs on the due date. Therefore, vendors shall ensure to submit

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**

R.I. PETER IRUDAYARAJ
Senior Manager
Materials Management /
BHEL, TIRUCHY - 620 014.

MANAGER / PURCHASE
(FOSSIL BOILERS)
Yours faithfully,



BHARAT HEAVY ELECTRICALS LIMITED

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

PHONE :2577938
GRAMS : BHARATELEC
FAX NO: 2520719
E-mail: tvenkat@bheltry.co.in
Web:

2681600001 / 24.03.2016

23505

the offers well before this time. All due date extension requirements should be addressed to the respective Purchase mail IDs. All the due date extension requests from vendors will be considered only up to 48 hours before the due date and time.

Vendors are requested to avoid submission of offers through e mail / fax. In case of any unavoidable situation, offers shall be sent through e mail to the following mail ID only tender_cell@bheltry.co.in.

As tenders are being opened by Common Tender Opening Cell, offer covers should be sealed with tenderer's distinctive seal and super scribed with correct Tender No. item of supply and due date of opening.

The offers will be opened at 14.30 hrs on the due date of the 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.

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.

Enclosures:

"LD clause has to be confirmed without fail."

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

R.I. PETER IRUDAYARA
Senior Manager
Materials Management /
BHEL, TIRUCHY - 620 014.

MANAGER / PURCHASE
(FOSSIL BOILERS)
Yours faithfully,

BHARAT HEAVY ELECTRICALS LIMITED TIRUCHIRAPALLI
CAPITAL PURCHASE

Annexure-A

ACCEPTANCE OF COMMERCIAL TERMS AND CONDITIONS BY THE VENDORS.

(This should be essentially filled in and sent along with the techno-commercial offer without fail. If this check list is not filled and submitted along with techno-commercial offer (Part I) or if the vendor does not confirm acceptance to the terms and conditions proposed, BHEL reserves the right to reject such offer)

CHECK-LIST FOR VENDORS

Sl No	DESCRIPTION
1	<p>The Bidders shall submit their offer in TWO INNER ENVELOPES as indicated below which shall be sealed in one outer envelope.</p> <ul style="list-style-type: none"> ❖ Envelope I: This sealed envelope should contain all the copies of technical bid together with un-priced commercial bid. This envelope should be clearly marked "Part I - Technical and commercial bid", indicating Enquiry No., Due Date and Address & Reference of the Bidder. ❖ Envelope II: This sealed envelope should contain price details. This envelope should be clearly marked "Part II - Price bid", indicating Enquiry No., Due Date and Address & Reference of the Bidder. This part should contain the schedule of price particulars and must be co-related to the technical details provided in Part I. <p>All the two envelopes (Part I&II) shall be put in one cover, duly sealed, super scribing as "Part I and Part II of Enquiry No., due date of opening" and the address and reference of the Bidder. The offer received without the above guidelines, will not be considered for opening.</p> <p>Offers will be accepted & received till 14.00 hrs on the due date. Therefore Vendors shall ensure to submit the offers before this time. Late offers will not be considered.</p> <p>The Tenders should be addressed to the following address to</p> <p align="center">The Tender Opening Cell/MM Room No-26 , Building – 24 , Ground Floor Bharat Heavy Electrical Limited Tiruchirapalli- 620014 .</p> <p>In case personal delivery of the offer, it shall be dropped into the respective box after duly entering the data in the system kept in room no 26 .</p> <p>Vendors are requested to avoid submission of offers thro email / fax . In case of any unavoidable situation, offers shall be sent thro email to the following mail ID only "tender_cell@bheltry.co.in"</p> <p>As such Tenders are being opened by Common Tender opening Cell , offer covers should be sealed with tender's distinctive seal and super scribed with correct Tender NO, item of supply and due date of Opening</p> <p>Tenders should be free from CORRECTIONS AND ERASURES. Corrections if any, must be attested. All amounts shall be indicated both in words as well as in figures. In case of any difference between amount quoted in words and figures, amount quoted in words shall prevail.</p> <p>Offers should be in ENGLISH and accompanied by detailed technical literature, catalogue and detailed dimensional drawings in ENGLISH or otherwise, the offers will not be considered.</p>
2	<p><u>OPENING OF TENDERS</u></p> <p>The Part I- Technical & commercial bid would be opened on the Tender opening date.</p> <p>The Part II - Price bid of Technically suitable Bidders alone would be opened. The Technically suitable Bidders would be informed about the tender opening date.</p> <p>Clarifications if any required by BHEL for Technical evaluation would be sought from bidders before opening of Part II - price bid.</p>
3	<p><u>Taxes and Duties</u></p> <p>All Taxes and Duties payable as extra to the quoted price should be specifically stated in offers along with CST & TIN No / Tariff No. etc., failing which the purchaser will not be liable for payment of such Taxes and Duties. Our TIN No. 33243560005, TNGST No. 3560005, CST. No. 239383 Dt. 11-06-1991 & BHEL ECC No. AAACB4146PXM012, Service Tax Reg No (STC)- AAACB4146PST006. Assessment circle Tiruverambur.</p>
4	<p><u>Special Provisions for Micro and Small Enterprises (MSE)</u></p> <ol style="list-style-type: none"> 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 (Entrepreneur Memorandum Part II) certificate having deemed validity (five years from the date of issue of acknowledgement in EM II) or valid NSIC certificate or EM II certificate along with attested copy of a CA certificate (Format enclosed as per Annexure - I) applicable for the relevant financial year (latest audited), 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. Offer/s received without these documents will lead to consideration of their offer at par with other bidders and MSE status of such suppliers shall be shifted to Non MSE supplier.

No row shall be left blank. Please indicate NA, in case the item is "not applicable"	Vendo's confirmation
5. Validity: Validity of the offer should be 120 days from the date of tender opening.	
<p>6. Release of PO & Payment terms:</p> <ul style="list-style-type: none"> > Purchase Orders will be released on the successful L1 vendor. > 100% payment, within 45 to 90 days, after receipt, acceptance of equipment/ materials at BHEL, Tiruchi. <p>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.</p>	
<p>7. Liquidated damages (LD):</p> <p>The delivery of the goods specified in the purchase order should be made within the time prescribed. LD for delay in 'Supply' and/or 'E&C' will be applicable to the delays attributed to vendor. LD will be considered separately for 'Delivery' and 'E&C'. Where the seller supplies or dispatches the goods, beyond the delivery period Liquidated damages shall be applicable 0.5% of the total order value per week or part thereof subject to a maximum of 10% of the total order value. Detail of LD mode are shown below</p> <p>Single Delivery Date (Material Dispatched after Due date) Once the delivery due date is crossed, bills have to be clubbed till final despatch and forwarded for processing of payment as a single bunch. LD percentage will be calculated from Delivery due date to final despatch date. (100% Order should be completed for processing the bill)</p> <p>Staggered Delivery -LD shall be 0.5% of the undelivered portion per week of the delay or part thereof subject to a maximum of 10% of the total order value. PO Pending value (each Bill Value) upto Max 10 % of Total PO value)</p> <p><i>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).For the purpose of Imposing LD, the FOB delivery (B/L date) shall be considered. Bidder should indicate the LD mode (single delivery or staggered delivery) on the confirmation column, otherwise single delivery date will be considered for further evaluation</i></p>	
<p>8. Risk Purchase:</p> <p>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 from the best and the nearest available substitute. The supplier shall be liable for any loss which the Purchaser may sustain by reason of such risk purchases..</p>	
<p>9. Delivery terms and evaluation process:</p> <p>Indian Bidders should submit their offer for FOR BHEL, Tiruchy basis. Packing & Forwarding and Freight & Insurance charges from works to BHEL, Tiruchy to be indicated separately if extra from basic rate. . Applicable % of ED & Sales Tax , Commissioning Charges should be clearly indicated.</p> <p>Evaluation of offers shall be on the basis of delivered cost (Net cash outflow to BHEL)</p>	
<p>10. Guarantee:</p> <p>Vendors shall provide a guarantee for a period of 12 months from the date of commissioning of the equipment or 18 months from date of supply, whichever is earlier. The date of B/L or AWB shall be taken as the date of supply. <u>Offers from vendors not accepting the requested guarantee period will be rejected.</u></p>	
<p>11. Short shipment / Warranty replacement:</p> <p>In case of any short shipment in the main equipment / spares, customs duty levied on such supplies, shall be borne by the supplier. Any warranty replacement during the warrantee period shall be on FOR, BHEL, Tiruchirappalli, basis.</p>	
<p>12. Inspection & Testing:</p> <p>All goods shall be subject to inspection by BHEL or its authorized representatives at supplier's works or at BHEL stores or at any other place in India indicated by BHEL as the case may be. The supplier will not charge for the facilities provided for inspection of goods. In case of machine tools, the machine would be inspected and proved at supplier's works prior to dispatch however, final inspection and acceptance of the machine will be carried after installation of the machine at BHEL, Tiruchirappalli.</p>	
<p>13. Test certificates / Operating and Maintenance manuals :</p> <p>The Bidders shall clearly mention in their offer, that Test Certificates and Operating Maintenance Manuals, etc., as called for in the Technical Specification, in the required number of copies will be provided at no extra cost</p>	
<p>14. 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. Offers of indigenous Suppliers with payment terms as LC/Advance Payment are liable for rejection.</p>	
<p>15. BHEL will consider the ranking after the loading is applied as referred above wherever deviations are observed.</p>	
<p>16. ARBITRATION</p> <p>All disputes or differences whatsoever which may arise at any time during execution of the Contract shall be mutually settled by BHEL and Contractor as per provision of the Contract. However, in the event such disputes cannot be settled mutually, such disputes shall be settled as per the Arbitration and reconciliation Act, 1996 of the Govt. of India and it's subsequent amendments. In case of disputes with the Central PSUs, the same shall be settled at Tiruchirappalli as per the Guidelines of the Govt. of India.</p> <p>However, during the period such disputes are settled either by mutual discussions between the parties or by legal means, Contractor shall continue to do the work as per terms & conditions of Contract.</p>	

17.	<ul style="list-style-type: none"> ➤ Point to point confirmation for the Technical Specification enclosed to be provided. If there are any deviations, the same should be clearly specified. Offers received without confirmation to our specifications will be liable for rejection. If needed additional sheets shall be used. ➤ Equipment offered shall be "New". Re-built / Re-conditioned / Used equipment's will not be accepted. Incomplete offers will not be considered for further processing Fixed price: ➤ BHEL reserves its right to reject a tender due to unsatisfactory past performance in the execution of a contract at any of BHEL projects / units. ➤ BHEL shall be at liberty to reject or accept any tender, part or in full, at their own discretion and any such action is not liable for any question or claim against BHEL. ➤ The vendor shall provide necessary drawings, Test Certificates and Operating Maintenance Manuals etc., as called for in the Technical Specification, in the required number of copies at no extra cost ➤ The Supplier shall arrange for securely protecting and packing the stores to avoid loss or damages during transit. 		
18.	Company Details & Contact		
	Full Address of the company for future correspondence / placing order. (Copy of address proof & PAN card shall be attached along with Part-I)		
	Company Email ID:	Phone No.:	
	Fax No	Pan No with copy	
	CST /TIN No		
	Name of the contact person:	Mobile No.:	
	e-mail ID		
19.	TO BE CONFIRMED BY VENDOR		
	Country of origin:		
	Station of dispatch/Port Of Shipment		
	Delivery Terms (For destination/Ex-works)		
	Packing & Forwarding Charges in % or Lump sum, if extra from basic rate		
	% of Excise Duty with cess		
	% of TAX (CST/VAT) (TNGST with FORM-17 or CST with C-FORM)		
	Freight & transit insurance charges (if any, in Lumpsum (or) percentage) from Dispatching station to BHEL Tiruchirappalli, (Note:If the delivery terms is Ex Works the materials has to be sent through BHEL approved carrier only, in this case the freight & Insurance will be borne by BHEL)		
20.	Delivery period from the date of Letter of Intent / Purchase Order. (This should be inclusive of Order acceptance, drawing approval and time period required for receiving goods at BHEL Trichy etc.,)		
21.	Weight & Cubage of package: Approximate Net weight of the total consignment: Approximate Gross weight of the total consignment: Approximate volume of the total consignment:		
For any queries / clarifications the bidders may contact us through our FAX NO. +91 431 2520719 or through e-mail <pgavictor@bheltry.co.in>			

NOTE:-

- a) Your specific acceptances to our Payment terms, LD, Risk Purchase Clause are essential for consideration of your offer. Otherwise your offer is liable for rejection.
- b) No row shall be left blank. Please indicate NA, in case the item is "not applicable"

Declaration:-

We have gone through and understood the 'General guidelines & instructions to bidders for submitting offer' enclosed as a part of the Tender and confirm that our offer has been made in line with the same.

(AFFIX OFFICIAL SEAL HERE)

Signature with date:

Name:
Designation:

Department:

(PLEASE AFFIX YOUR SIGNATURE WITH SEAL ON EACH PAGE)

MODEL PRICE BID FORMAT FOR INDIAN BIDDERS

Enquiry No. & Date:

Bidder's Offer No. & Date:

Sl No	Description of item	Unit	QTY	Basic Rate in Rs	ED in %	VAT/CST (without declaration /'C' form)	Value in Rs. Including all taxes & duties
10	As per enquiry specifications						
	Packing & Forwarding charges (if any) in percentage (or) Lumpsum						
	FOR Dispatching station value in Rs.						
	Percentage of Freight & transit insurance charges, if any (Lumpsum or %) Freight & Insurance charges from Dispatching station to BHEL, Tiruchirappalli (Note:If the delivery terms is Ex Works the materials has to be sent through BHEL approved carrier only, in this case the freight & Insurane will be borne by BHEL)						
	Approximate Net weight of the total consignment						
	Approximate Gross weight of the total consignment						
	Approximate Dimensions of the Consignment						

Signature & Seal of Vendor

The price bid should be submitted only as per the above format. No row shall be left blank.
Please indicate NA, in case the item is "not applicable"

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