



An ISO 9001
Company

Bharat Heavy Electricals Limited

(High Pressure Boiler Plant)

Tiruchirappalli – 620014, TAMIL NADU, INDIA

CAPITAL EQUIPMENT/ MATERIALS MANAGEMENT

ENQUIRY

NOTICE INVITING TENDER

Phone: +91 431 257 7771
Fax : +91 431 252 0719
Email : rpmuthu@bheltry.co.in
Web : www.bhel.com

TWO PART BID

Tender to be submitted in two parts.

Enquiry
Number:

2631100053

Enquiry
Date:

26.09.2011

Due date for submission
of quotation:

27.10.2011

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

Please note that under any circumstances both **delayed offer** and **late offers** will not be considered. Hence vendors are requested to ensure that the offer is reaching physically our office before 14.00 hrs on the Date of tender opening.

Item	Description	Quantity	Delivery (Item required at BHEL on)
10	OPTICAL JIG TRANSIT SQUARE WITH METRIC MICROMETER & ACCESSORIES, OPTICAL ALIGNMENT TELESCOPE & ACCESSORIES, OPTICAL TILTING LEVEL & ACCESSORIES as per the technical specification, BHEL commercial terms & conditions applicable (to be downloaded from web site www.bhel.com or http://tenders.gov.in)	1 NO.	15.03.2012

Important points to be taken care during submission of offer

1. Checklist to be duly filled and enclosed along with your offer, failing which the offer will not be considered for evaluation.
2. Subsequent to the hosting of this Enquiry, any corrigendum to the Enquiry that may be hosted in the BHEL Web-site as well as Government Tenders-portal shall be viewed by the vendors regularly to know the details of corrigendum. In case if any vendor without seeing the corrigendum quoted as per original Enquiry and intimate that they have wrongly quoted will not be considered and rejected. However as per the appropriate Policy of BHEL action will be taken on them in this regard.

BHEL's General guidelines / instructions including bank guarantee formats and list of consortium banks, commercial terms check-list can be downloaded from BHEL web site <http://www.bhel.com> or from the Government tender website <http://tenders.gov.in> (public sector units) Bharat Heavy Electricals Limited page) under Enquiry reference "**2631100053**".

Tenders should reach us before 14:00 hours on the due date
Tenders will be opened at 14:30 hours on the due date
Tenders would be opened in presence of the tenderers who have submitted their offers and who may like to be present

Yours faithfully,
For BHARAT HEAVY ELECTRICALS LIMITED

Dy.Manager / MM / Capital Equipment

**BHARAT HEAVY ELECTRICALS LIMITED**

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ENQUIRY
(INDIGENOUS)(A Government of India Undertaking)
HIGH PRESSURE BOILER PLANT
PURCHASE DEPARTMENT - FOSSIL BOILERS
THIRUCHIRAPALLI - 620014
TAMILNADU (INDIA)PHONE : 2577771
GRAMS : BHARATELEC
FAX NO: 2520719
E-mail :
Web :

429-002/A

OFFICE COPY	Collective No.	Enquiry Date	Due Date For Quotation
	2631100053	26.09.2011	27.10.2011
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	Optical Jig Transit Square with Metric Micrometer and Accessories under MCTD 2011-12 Budget for QC/ATP (Specification Enclosed). Optical Jig Transit Square	NO	1.000	1.00	15.03.12
20	Optical Alignment Telescope and Accessories under MCTD 2011-12 Budget for QC/ATP (Specification Enclosed). Optical Alignment Telescope	NO	1.000	1.00	15.03.12
30	Optical Tilting Level And Accessories under MCTD 2011-12 Budget for QC/ATP (Specification Enclosed). Optical Tilting Level and Accessories	NO	1.000	1.00	15.03.12

General Note:**COMMERCIAL TERMS AND CONDITIONS**

Bhel commercial terms & conditions with Price Bid and Bank Guarantee formats along with technical specifications can be downloaded from BHEL web site <http://www.bhel.com> or from the Government tender website <http://tenders.gov.in> (public sector units>Bharat Heavy Electricals limited page) under Enquiry reference "2631100053".

1.,QUOTATIONS

The Bidders shall submit the offer in TWO INNER ENVELOPES as indicated below which shall be sealed in one outer envelope.

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.

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. PACHAMUTHU
Dy. Manager
MM / Capital Equipment

MANAGER / PURCHASE
(FOSSIL BOILERS)

P.O. BOX, TRICHY - 620 014.



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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2631100053 / 26.09.2011

12965

Both the envelopes (Part I & II) shall be put in one cover, duly sealed, superscribing as Part I and Part II of Enquiry No., due date of opening and the address and reference of the Bidder.
The above offer should reach this office on or before the due date by 14.00 Hrs (IST).Late offers will not be considered.

2. POINT TO POINT CONFIRMATION TO BHEL'S SPECIFICATION AND COMMERCIAL TERMS AND CONDITIONS SHOULD BE PROVIDED IN THE ENCLOSED SHEET.

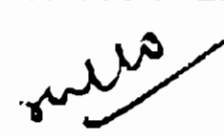
3. DETAILED CATALOGUE AND DRAWINGS SHOULD BE SENT ALONG WITH YOUR TECHNICAL OFFER.

Enclosures:

"LD clause has to be confirmed without fail."
"Payment to vendors will be made only thro E-Payment mode."

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,

SPECIFICATION FOR OPTICAL ALIGNMENT TELESCOPE AND ACCESSORIES

PROPOSED APPLICATIONS AT BHEL :

- Optical alignment of components – number of components – in the line of sight – in horizontal and vertical planes.
- Measurement of positional accuracy of drilled holes.
- Measurement of out of straightness of deep bores / holes.
- Auto collimation and auto reflection.
- Establishment of optically horizontal and vertical planes using optical squares and set tallyvels.
- Establishment of perpendicular planes and perpendicular axes using 2 equipments along with accessories.
- Expected distance coverage for alignment = up to 25 metres.

SPECIFICATION FOR OPTICAL ALIGNMENT TELESCOPE WITH METRIC MICROMETERS AND ACCESSORIES. REQUIRED QUANTITY : 1 NUMBER.

BHEL'S SPECIFICATION REQUIREMENT	VENDOR'S CONFIRMATION	DEVIATION, IF ANY
1. A telescopic line of sight is to be established using the instrument.		
2. Focus : 0 to Infinity		
3. The equipment should have X and Y micrometers with least count of measurement 0.02mm or better in order to measure out of alignment in two mutually perpendicular directions with respect to set line of sight. Range of measurement = minimum 1 mm or more in both X and Y axes.		
4. Measurement accuracy – 3 arc seconds or better – supplier to mention distance wise accuracies achievable along with the offer.		
5. It should be a metric version of the alignment telescope. It is to be designed specifically to make measurements of deviations from a reference line, and secondarily, to provide an extremely straight optical reference line for any		

BHEL'S SPECIFICATION REQUIREMENT	VENDOR'S CONFIRMATION	DEVIATION, IF ANY
<p>number of alignment applications. It should have two built-in optical micrometers which measure at right angles to each other. They should measure lateral shifts perpendicularly from the line of sight, in both the horizontal and vertical directions. The equipment should have a built-in auto reflection target on its objective lens and should be supplied with auto collimation illumination unit .</p>		
<p>6. The details of the desirable requirements are :</p> <p>Magnification: Should vary automatically from 4X minimum at zero focus to 46X minimum at infinity.</p> <p>Straightness of line of sight: + 0.002" (0 to 50'); + 0.004" (50' to 100'); 0.5 arc seconds beyond 100'</p> <p>Field of view: 0.5 degree minimum at infinity & 40 mm minimum at zero focus.</p> <p>Effective aperture: 40 mm minimum.</p> <p>Eyepiece: Fully erect / straight image on. diopter scale. Right-angle eyepiece and complete projection accessories should be available.</p> <p>Optical Micrometer: Accuracy shall be ± 0.005 mm over full range.</p> <p>Focusing knob: Drum shall be graduated to show focusing distance in meters.</p> <p>Barrel diameter shall meet A.I.A. specifications.</p>		
<p>7. The equipment shall be supplied with the accessories / attachments (required for various optical inspection activities) as listed below for use with the equipments like jig transit, alignment telescope and tilt level (for</p>		

BHEL'S SPECIFICATION REQUIREMENT	VENDOR'S CONFIRMATION	DEVIATION, IF ANY
their various applications). Applications include use of these items in horizontal condition / vertical condition / slightly tilted condition to operate by 'buck in' etc.		
8. The equipment shall be supplied with CALIBRATION certificate traceable to National / International standards.		
9. Operation and maintenance manuals for the telescope and accessories shall be given in both hard and soft form along with the offer. IN ENGLISH.		
10. The supplier is requested to provide the list of customers using their equipment.		
11. Supplier is required to call the customer – BHEL - for the pre-despatch inspection at his works. Also, the supplier has to commission the equipment and accessories at our works. Supplier has to provide a training for 3 days for our staff. Supplier has to give performance guarantee of 12 months for the commissioned item from the date of commissioning.		

LIST OF ACCESSORIES TO BE SUPPLIED ALONG WITH THE EQUIPMENT

SL.NO.	NAME OF THE ACCESSORY / ATTACHMENT	REQUIRED QUANTITY
1	Tilt Mounting Base for Alignment Telescope.	1
2	Co-ordinate lateral adjuster	1
3	Optical Tooling Scale 500 mm size.	1
4	Magnetic type optical Scale Holder for sl.no.3	1
5	Scale Level for sl.no.3	1
6	21/2 inch mirror magnetic for auto collimation	1

7	Glass Alignment Target Dia 2 ¼ inch mounted type.	4
8	Glass Alignment Target Dia 1 1/2 inch Unmounted type	4
9	Glass displacement Target dia 1 ½" mounted, Graduated and multiple paired type	4
10	Trivet (Short Stand) ht:5" for positioning optical equipments.	1
11	250mm Optical tooling scale	1
12	Precision Lift for height adjustment of optical equipments with modern features.	1

QUALIFYING CRITERIA FOR THE SUPPLY OF OPTICAL ALIGNMENT TELESCOPE METRIC WITH METRIC MICROMETERS AND ACCESSORIES

The BIDDER / VENDOR has to necessarily provide the following details, for making an assessment of the firm's capability and competency:

[The BIDDER is expected to give complete details against each clause in the table given below and wherever necessary an additional sheet may be attached (giving clear reference number) to cover the required details]

S. No.	PARTICULARS	VENDOR's RESPONSE
1.0	Number of Years of Experience of the BIDDER/ VENDOR in the field of supplying OPTICAL TELESCOPES, TILT LEVELS AND JIG TRANSITS for Industrial measurement and Inspection activities.	
2.0	Number of such equipments supplied & commissioned till date. Model numbers, ranges and the least counts of supplied equipments shall be mentioned.	
3.0	Year of launch of the Model quoted against this Enquiry?	
4.0	Are there any other models launched after the quoted Models? Otherwise, indicate the likely year in which the next model is likely to be launched?	
5.0	Number of ALIGNMENT TELESCOPES supplied & commissioned till date in the quoted Models.	
6.0	Number of ALIGNMENT TELESCOPES supplied & commissioned till date for the different applications / customers.	
7.0	Details of Design Set-Up / Codes and Standards used. Facilities for calibration	

S. No.	PARTICULARS	VENDOR's RESPONSE
	and international traceability details for calibration.	
8.0	Details on International standards followed in verification of equipment. Details regarding periodic recalibration and sources / tie-ups for such recalibrations including the proposed cost of calibration and lead time for calibration.	
9.0	Details on functional / performance Testing of the Equipment and all accessories quoted. Gathered data from users on the equipment performance. Sample references (minimum 2) from renowned customers shall be added for similar models.	
10.0	Details on manufacturing and testing aspects of equipment.	
11.0	Any Additional Data to supplement the manufacturing capability of the BIDDER.	

The BIDDER / VENDOR has to compulsorily meet the following requirements to get qualified for submitting an offer for the impact tester.

S. No.	REQUIREMENTS	VENDOR's COMMENTS
12.0	The BIDDER / VENDOR shall have a minimum of FIVE Years of Continuous Experience in the Supply of ALIGNMENT TELESCOPES. Kindly indicate the actual experience.	
13.0	The BIDDER / VENDOR shall have supplied at least 3 numbers of ALIGNMENT TELESCOPES in the last 5 years . Kindly confirm and indicate the number of equipments (quoted model) sold in 2006/11 in the world.	
14.0	The bidding FIRM should have 'in-house' or 'self-owned' or 'tied-up' facility for MANUFACTURE and TESTING of OPTICAL EQUIPMENTS. In case of authorised agents of original equipment suppliers, the certificate of authorization copy shall be enclosed with the offer.	
15.0	Reference List of Customers and Performance Certificates from CUSTOMERS (minimum 2 Customers) with full contact details of CONTACT PERSON.	
16.0	The BIDDER / VENDOR should have sound financial position and should furnish Finance Statements (Summary of P & L Statement and Balance Sheet) for the immediate past 3 years.	

17.0	In case of short listing by the Purchaser in the process of vendor assessment, the BIDDER / VENDOR has to co-ordinate for the visit of Assessing Team, to the WORKS of the BIDDER / VENDOR with a notice period of 10 Days.	
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The BIDDER / VENDOR has to comply with the following, for accepting the Technical Offer for scrutiny by the Purchaser:

S.No.	REQUIREMENTS	VENDOR's COMPLIANCE
18.0	The BIDDER / VENDOR shall submit the offer in TWO PARTS - Technical (in line with the BHEL's Technical Specifications) & Commercial and Price Bid.	
19.0	The Technical Offer shall contain a comparative statement of Technical Specifications given by BHEL and the Offer Details submitted by the Bidder, against each clause.	
20.0	A just 'CONFIRMED' or 'COMPLIES' or 'YES' or 'NO-DEVIATION' or similar words in the technical comparative statement may lead to disqualification of the Offer.	
21.0	The Technical Offer shall be supported by Product Catalogue, drawings, manuals and Data Sheets in ORIGINAL (soft +hard copies).	
22.0	The Commercial Offer shall contain the Scope of Supply and the Un-Priced Part of the Price-Bid for confirmation.	

SPECIFICATION FOR OPTICAL JIG TRANSIT SQUARE WITH METRIC MICROMETER AND ACCESSORIES

PROPOSED APPLICATIONS AT BHEL :

- Optical alignment of components – in the line of sight – in vertical planes.
- Measurement of axis / marking / plan shift in vertical planes..
- Measurement of out of straightness.
- Auto collimation and auto reflection for perpendicular planes establishment.
- Establishment of optically vertical planes and measurement.
- Establishment of perpendicular planes and perpendicular axes using 2 equipments along with accessories.
- Expected distance coverage for alignment = up to 25 metres.
- Cross fixture alignment and verification for continuous optical work.

SPECIFICATION FOR OPTICAL JIG TRANSIT SQUARE WITH METRIC MICROMETER AND ACCESSORIES.

**SPECIFICATION FOR JIG TRANSIT SQUARE WITH METRIC MICROMETER.
REQUIRED QUANTITY: 1 NUMBER.**

BHEL'S SPECIFICATION REQUIREMENT	VENDOR'S CONFIRMATION	DEVIATION, IF ANY
1. A telescopic line of sight is to be established using the instrument. The instrument shall establish a vertical plane during its one sweep along the azimuth axis. Also, it shall be rotatable about azimuth axis in horizontal plane. Locking at desired stage is required.		
2. Focus : 50mm to infinity		
3. The equipment should have micrometer with least count of measurement 0.02mm or better in order to measure out of alignment in HORIZONTAL plane. Plane variation with respect to established azimuth line of site / vertical plane is to be measured. Range of measurement = minimum 1 mm. Both spirit level and coincidence level are to be available for convenient, accurate, precise and quick setting and levelling. The coincidence level should have a 360-degree rotating turret to view the magnified bubble image from		

any position.		
4. Measurement accuracy – 3 arc seconds or better – supplier to mention distance wise accuracies achievable.		
5. Jig transit should have combined traditional main telescope with a fixed-focus cross telescope mounted in the horizontal axis of the instrument. This second telescope is to be fixed at infinity focus to make collimation or auto collimation with another optical instrument or a mirror quick and easy. This requirement is for making transit perpendicular to an optical reference line quickly. By simply shifting from the main eyepiece to the cross-axis eyepiece, an operator should be in a position to establish or verify his position relative to the basic reference line in seconds.		
6. Ball bearing mounts should permit accurate sweeping of the telescope in both horizontal and vertical planes.		
<p>7. The following are the desirable requirements for main telescope.</p> <p>Length: 14" minimum (with micrometer)</p> <p>Magnification: 20X minimum at near distance and 30X minimum at very far distance.</p> <p>Field of view: 1 degree minimum</p> <p>Image: Straight /Erect.</p> <p>Optics: Low reflective.</p> <p>Effective aperture: 1.25" minimum</p>		
<p>8. The following are the desirable requirements for cross telescope.</p> <p>Length: 11" minimum.</p> <p>Magnification: 45X minimum</p> <p>Field of view: 1 degree minimum</p> <p>Image: Erect / Straight.</p> <p>Optics: Low reflective.</p> <p>Effective aperture: 1.25" minimum</p>		

9. The equipment shall be supplied with the accessories (required for various optical inspection activities) as listed below for use with the equipments like jig transit, alignment telescope and tilt level (for their various applications). Applications include horizontal condition / vertical condition / slightly tilted condition to operate by 'buck in' etc.		
10. The equipment shall be supplied with CALIBRATION certificate traceable to National / International standards.		
11. Operation and maintenance manuals for the equipment and accessories shall be given in both hard and soft form along with the offer. IN ENGLISH.		
12. The supplier is requested to provide the list of customers using their equipment.		
13. Supplier is required to call the customer – BHEL - for the pre-despatch inspection at his works. Also, the supplier has to commission the equipment and accessories at our works. Supplier has to provide a training for 3 days for our staff. Supplier has to give performance guarantee of 12 months for the commissioned item from the date of commissioning.		

LIST OF ACCESSORIES TO BE SUPPLIED ALONG WITH THE EQUIPMENT

1. Combination Right Angle Eyepiece Unit for perpendicular viewing. ---- 1 number
2. Coordinate optical Micrometer Metric with adapter for 2 1/4" telescopes – 1 number
3. Right Angle Eyepiece for Alignment Telescope ----- 1 number
4. Stride Level ---- 1 number
5. Cross axis vial for alignment telescope ---- 1 number

QUALIFYING CRITERIA FOR THE SUPPLY OF OPTICAL JIG TRANSIT SQUARE WITH METRIC MICROMETER AND ACCESSORIES

The BIDDER / VENDOR has to necessarily provide the following details, for making an assessment of the firm's capability and competency: [The BIDDER is expected to give complete details against each clause in the table given below and wherever necessary an additional sheet may be attached (giving clear reference number) to cover the required details]

S. No.	PARTICULARS	VENDOR's RESPONSE
1.0	Number of Years of Experience of the BIDDER/ VENDOR in the field of supplying OPTICAL TELESCOPES, TILT LEVELS AND JIG TRANSITS for Industrial measurement and Inspection activities.	
2.0	Number of such equipments supplied & commissioned till date. Model numbers, ranges and the least counts of supplied equipments shall be mentioned.	
3.0	Year of launch of the Model quoted against this Enquiry?	
4.0	Are there any other models launched after the quoted Models? Otherwise, indicate the likely year in which the next model is likely to be launched?	
5.0	Number of JIG TRANSITS supplied & commissioned till date in the quoted Models.	
6.0	Number of JIG TRANSITS supplied & commissioned till date for the different applications / customers.	
7.0	Details of Design Set-Up / Codes and Standards used. Facilities for calibration and international traceability details for calibration.	
8.0	Details on International standards followed in verification of equipment. Details regarding periodic recalibration and sources / tie-ups for such recalibrations including the proposed cost of calibration and lead time for calibration.	
9.0	Details on functional / performance Testing of the Equipment and all accessories quoted. Gathered data from users on the equipment performance. Sample references (minimum 2) from renowned customers shall be added for similar models.	
10.0	Details on manufacturing and testing aspects of equipment.	

S. No.	PARTICULARS	VENDOR's RESPONSE
11.0	Any Additional Data to supplement the manufacturing capability of the BIDDER.	

The BIDDER / VENDOR has to compulsorily meet the following requirements to get qualified for submitting an offer for the impact tester.

S. No.	REQUIREMENTS	VENDOR's COMMENTS
12.0	The BIDDER / VENDOR shall have a minimum of FIVE Years of Continuous Experience in the Supply of JIG TRANSITS. Kindly indicate the actual experience.	
13.0	The BIDDER / VENDOR shall have supplied at least 3 numbers of JIG TRANSITS in the last 5 years . Kindly confirm and indicate the number of equipments (quoted model) sold in 2006/11 in the world.	
14.0	The bidding FIRM should have 'in-house' or 'self-owned' or 'tied-up' facility for MANUFACTURE and TESTING of OPTICAL EQUIPMENTS. In case of authorised agents of original equipment suppliers, the certificate of authorization copy shall be enclosed with the offer.	
15.0	Reference List of Customers and Performance Certificates from CUSTOMERS (minimum 2 Customers) with full contact details of CONTACT PERSON.	
16.0	The BIDDER / VENDOR should have sound financial position and should furnish Finance Statements (Summary of P & L Statement and Balance Sheet) for the immediate past 3 years.	
17.0	In case of short listing by the Purchaser in the process of vendor assessment, the BIDDER / VENDOR has to co-ordinate for the visit of Assessing Team, to the WORKS of the BIDDER / VENDOR with a notice period of 10 Days.	

The BIDDER / VENDOR has to comply with the following, for accepting the Technical Offer for scrutiny by the Purchaser:

S.No.	REQUIREMENTS	VENDOR's COMPLIANCE
18.0	The BIDDER / VENDOR shall submit the offer in TWO PARTS - Technical (in line with the BHEL's Technical Specifications) & Commercial and Price Bid.	
19.0	The Technical Offer shall contain a comparative statement of Technical Specifications given by BHEL and the Offer Details submitted by the Bidder, against each clause.	
20.0	A just 'CONFIRMED' or 'COMPLIES' or 'YES' or 'NO-DEVIATION' or similar words in the technical comparative statement may lead to disqualification of the Offer.	

21.0	The Technical Offer shall be supported by Product Catalogue, drawings, manuals and Data Sheets in ORIGINAL (soft +hard copies).	
22.0	The Commercial Offer shall contain the Scope of Supply and the Un-Priced Part of the Price-Bid for confirmation.	

SPECIFICATION FOR OPTICAL TILTING LEVEL AND ACCESSORIES

PROPOSED APPLICATIONS AT BHEL :

- Optical alignment of components – number of components – in the line of sight – in horizontal planes.
- Measurement of positional accuracy of drilled holes.
- Measurement of out of straightness of deep bores / holes.
- Auto collimation and auto reflection. Axes marking on huge jobs.
- Establishment of optically horizontal planes..
- Establishment of HORIZONTAL planes and measurement in vertical direction with respect to established plane using 2/3 equipments along with accessories.
- Expected distance coverage for alignment = up to 25 metres.
- Cross fixture alignment and verification for continuous optical work.

SPECIFICATION FOR OPTICAL TILTING LEVEL WITH METRIC MICROMETER AND ACCESSORIES.REQUIRED QUANTITY : 1 NUMBER.

BHEL'S SPECIFICATION REQUIREMENT	VENDOR'S CONFIRMATION	DEVIATION, IF ANY
1. A telescopic line of sight is to be established using the instrument. The instrument shall establish an horizontal plane during its one rotation/revolution about azimuth axis. Locking or fixing at desired stage is required.		
2. Focus :50mm to infinity.		
3. The equipment should have micrometer with least count of measurement 0.02mm or better in order to measure out of alignment in vertical plane. Level variation with respect to established line of sight / horizontal plane is to be measured. Range of measurement = minimum 1 mm. Both spirit level and coincidence level are to be available for convenient, precise, accurate and quick setting and levelling. The coincidence level should have a 360-degree rotating turret to view the magnified bubble image from any position.		
4. Measurement accuracy – 3 arc seconds or better – supplier to mention distance wise accuracies achievable.		

5. The equipment shall be supplied with the accessories / attachments (required for various optical inspection activities) as listed below for use with the equipments like jig transit, alignment telescope and tilt level (for their various applications). Applications include use of these items in horizontal condition / vertical condition / slightly tilted condition to operate by 'buck in' etc.		
6. Tilting level should have combined precision with rugged reliability to execute the most demanding leveling jobs. The telescope should have adjustments to maintain the line of sight straight throughout a focusing range. This straightness is to be maintained at $\pm 0.025\text{mm}$ from 50 mm to 5200mm and one arc second from 5200mm to infinity. The main telescope tube should have a removable section to facilitate conversion for auto collimation, auto projection, or installation of a right angle eyepiece. The optical micrometer should produce repeatable readings with a resolution of 0.02mm.		
7. The details of the desirable requirements are : Telescope Length: 40 cm minimum with micrometer installed. Magnification: 20X minimum at 50mm and 30X minimum at infinity. Field of View: 1 degree minimum. Image: Erect / straight. Optics: Low reflective type. Effective aperture: 1.25" minimum.		
8. The equipment shall be supplied with CALIBRATION certificate traceable to National / International standards.		
9. Operation and maintenance manuals for the telescope and accessories shall be given in both hard and soft form along with the offer. IN ENGLISH.		
10. The supplier is requested to provide the list of customers using their equipment.		

11. Supplier is required to call the customer – BHEL - for the pre-despatch inspection at his works. Also, the supplier has to commission the equipment and accessories at our works. Supplier has to provide a training for 3 days for our staff. Supplier has to give performance guarantee of 12 months for the commissioned item from the date of commissioning.		
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LIST OF ACCESSORIES TO BE SUPPLIED ALONG WITH THE EQUIPMENT

SL.NO.	NAME OF THE ACCESSORY / ATTACHMENT	REQUIRED QUANTITY
1	Right Angle Swivel Eyepiece Adopter.	1
2	Coordinate optical Micrometer Metric with adapter for 2 1/4" telescopes	1
3	Plexi glass bull's eye target 2 1/4" size.	2
4	Plexi glass bull's eye target 1 1/2" size.	2
5	Precision lift adapter to suit to lift for height adjustments.	2
6	Dovetail adapter.	1
7	Lateral slide adopter.	1
8	Hollow adopter.	1
9	Plexiglass multiple paired line Target dia 1 1/2 inch	2
10	Portable Stand Kit height: up to 55 1/2"	1
11	Bull's eye target Aluminium 2 1/4 inch.	2
12	Precision Lift for height adjustment of optical equipments with modern features.	1
13	Precision Lateral Slide.	4

QUALIFYING CRITERIA FOR THE SUPPLY OF OPTICAL TILTING LEVEL WITH METRIC MICROMETER AND ACCESSORIES.

The BIDDER / VENDOR has to necessarily provide the following details, for making an assessment of the firm's capability and competency:

[The BIDDER is expected to give complete details against each clause in the table given below and wherever necessary an additional sheet may be attached (giving clear reference number) to cover the required details]

S. No.	PARTICULARS	VENDOR's RESPONSE
1.0	Number of Years of Experience of the BIDDER/ VENDOR in the field of supplying OPTICAL TELESCOPES, TILT LEVELS AND JIG TRANSITS for Industrial measurement and Inspection activities.	
2.0	Number of such equipments supplied & commissioned till date. Model numbers, ranges and the least counts of supplied equipments shall be mentioned.	
3.0	Year of launch of the Model quoted against this Enquiry?	
4.0	Are there any other models launched after the quoted Models? Otherwise, indicate the likely year in which the next model is likely to be launched?	
5.0	Number of TILTING LEVELS supplied & commissioned till date in the quoted Models.	
6.0	Number of TILTING LEVELS supplied & commissioned till date for the different applications / customers.	
7.0	Details of Design Set-Up / Codes and Standards used. Facilities for calibration and international traceability details for calibration.	
8.0	Details on International standards followed in verification of equipment. Details regarding periodic recalibration and sources / tie-ups for such recalibrations including the proposed cost of calibration and lead time for calibration.	
9.0	Details on functional / performance Testing of the Equipment and all accessories quoted. Gathered data from users on the equipment performance. Sample references (minimum 2) from renowned customers shall be added for similar models.	
10.0	Details on manufacturing and testing aspects of equipment.	
11.0	Any Additional Data to supplement the	

S. No.	PARTICULARS	VENDOR's RESPONSE
	manufacturing capability of the BIDDER.	

The BIDDER / VENDOR has to compulsorily meet the following requirements to get qualified for submitting an offer for the impact tester.

S. No.	REQUIREMENTS	VENDOR's COMMENTS
12.0	The BIDDER / VENDOR shall have a minimum of FIVE Years of Continuous Experience in the Supply of TILTING LEVELS. Kindly indicate the actual experience.	
13.0	The BIDDER / VENDOR shall have supplied at least 3 numbers of TILTING LEVELS in the last 5 years . Kindly confirm and indicate the number of equipments (quoted model) sold in 2006/11 in the world.	
14.0	The bidding FIRM should have 'in-house' or 'self-owned' or 'tied-up' facility for MANUFACTURE and TESTING of OPTICAL EQUIPMENTS. In case of authorised agents of original equipment suppliers, the certificate of authorization copy shall be enclosed with the offer.	
15.0	Reference List of Customers and Performance Certificates from CUSTOMERS (minimum 2 Customers) with full contact details of CONTACT PERSON.	
16.0	The BIDDER / VENDOR should have sound financial position and should furnish Finance Statements (Summary of P & L Statement and Balance Sheet) for the immediate past 3 years.	
17.0	In case of short listing by the Purchaser in the process of vendor assessment, the BIDDER / VENDOR has to co-ordinate for the visit of Assessing Team, to the WORKS of the BIDDER / VENDOR with a notice period of 10 Days.	

The BIDDER / VENDOR has to comply with the following, for accepting the Technical Offer for scrutiny by the Purchaser:

S.No.	REQUIREMENTS	VENDOR's COMPLIANCE
18.0	The BIDDER / VENDOR shall submit the offer in TWO PARTS - Technical (in line with the BHEL's Technical Specifications) & Commercial and Price Bid.	
19.0	The Technical Offer shall contain a comparative statement of Technical Specifications given by BHEL and the Offer Details submitted by the Bidder, against each clause.	

20.0	A just 'CONFIRMED' or 'COMPLIES' or 'YES' or 'NO-DEVIATION' or similar words in the technical comparative statement may lead to disqualification of the Offer.	
21.0	The Technical Offer shall be supported by Product Catalogue, drawings, manuals and Data Sheets in ORIGINAL (soft +hard copies).	
22.0	The Commercial Offer shall contain the Scope of Supply and the Un-Priced Part of the Price-Bid for confirmation.	

GENERAL TERMS AND CONDITIONS OF RA

- Against this enquiry for the subject item/system with detailed scope of supply as per enquiry specifications, BHEL may resort to “REVERSE AUCTION PROCEDURE” i.e., ON LINE BIDDING ON INTERNET.
- For the proposed RA, technically and commercially acceptable bidders only shall be eligible to participate.
- In case of RA, BHEL will engage the services of a service provider for conduct of the RA who will provide all necessary training and assistance to the bidders before commencement of on line bidding on internet.
- Business rules governing the RA will be communicated to the bidders through service provider for compliance.
- Vendors have to fax the Compliance form in the prescribed format (provided by Service provider) before start of RA. Without the compliance, the vendor will not be eligible to participate in the event.
- BHEL will provide a sample calculation sheet (in EXCEL format) which would help the bidders to arrive at “Net Cash outflow to BHEL” considering various price / cost elements like Packing & forwarding charges, Taxes and Duties, Freight charges, Insurance, Service Tax for Services and loading factors (for non-compliance to BHEL standard Commercial terms & conditions) etc. for each of the bidders to enable them to arrive at “Net Cash outflow to BHEL” which is the amount the bidder would be bidding during the RA.
- RA will be conducted on scheduled date & time and at the end of event, the lowest bidder value will be known on the network.
- The lowest bidder has to Fax the duly signed “Price Break-up” in prescribed format as provided on case-to-case basis to BHEL through Service provider within 24 hours of Auction without fail.
- Any variation between the on-line bid value and the signed document will be considered as sabotaging the tender process and will invite disqualification of vendor to conduct further business with BHEL, as per the prevailing procedure.
- BHEL reserves the right to negotiate if need be, with the “L1” vendor of the Reverse Auction

(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 High Pressure Boiler Plant Division located at Tiruverumbur, Tiruchirapalli- 620 014 (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:

MM : CAPITAL EQUIPMENT

Bharat Heavy Electricals Limited, Trichirapalli – 620 014
(To be filled and submitted along with Offer)

BHEL Enquiry No.

Date:

BHEL Commercial Terms and Conditions for IMPORT SUPPLIES	Vendor's Confirmation / Comments
Technical confirmation to BHEL's Specification as called for in BHEL Format shall be furnished. If needed additional sheets shall be used.	To be furnished along with offer (or) Technical Bid – Part No. I
Prices shall be quoted item wise only as per the model format enclosed.	
Delivery terms: Vendors should quote for delivery on CFR Chennai Sea Port /Air port as the case may be based on Incoterms 2000. However, price break-up details like FOB price, ocean freight/air freight etc., should be indicated in the offer. The transfer of title of the goods supplied by the vendor takes place in line with the Incoterms 2000.	
Validity of offer shall be for a minimum period of 120 days from the date of Tender opening	
Delivery period from the date of Letter of Intent shall be clearly mentioned in the offer.	
Liquidated damages @ ½% per week subject to a maximum of 15% of the order value shall be applicable for delay in deliveries.	
Following Risk Purchase clause shall be applicable: 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 dispatch within the time stipulated 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.	
Payment terms for Foreign vendor (Principal): 80% value of the goods will be paid through an irrevocable Letter of Credit established by our bankers. Balance 20% will be paid against acceptance / commissioning of goods for which supplementary invoice and PBG for 10% of total Purchase order value shall be submitted. All bank charges outside India are to vendor's account only.	
Payment terms for Indian Agent: Indian Agency commission, if any, shall be clearly specified in the offer and the same will be paid in Indian Rupees against acceptance / commissioning of the equipment.	
Erection / commissioning: Erection / commissioning shall be done at free of cost.	
Submission of Performance Bank Guarantee (PBG): Vendor should provide a performance bank guarantee(PBG) for 10% of the total Purchase order value valid for a period of 12 months from the date of commissioning (or) 18 months from the date of dispatch whichever is later with an additional claim period of 2 months. This PBG shall form part one of the documents for effecting the balance 20% payment.	
Part Shipment or Transshipment is not permissible	
In case of any short shipment in the main equipment / spares, where separate rates are not available in the contract, the customs duty levied on such supplies, shall be borne by the supplier / Indian agent.	
Any warranty replacement during warranty period shall be supplied free of charge on FOR BHEL, Trichy basis.	
Equipment will be inspected and proved at vendor's works prior to dispatch. However final inspection and acceptance of equipment will be after installation at BHEL, Trichy.	
The equipment shall be guaranteed for a period of 12 months from the date of commissioning.	
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.	
Offers should be submitted only in sealed cover super-scribing clearly the Enquiry reference and due date.	

NOTE:-

- It is confirmed that all the terms and conditions stipulated in the Enquiry have been fully understood by us and all clarifications & details have been obtained.
- Your specific acceptance to BHEL Payment terms, LD, Risk Purchase Clause & Submission of PBG for 10% of the order value are essential for consideration of your offer. Other wise your offer is liable for rejection.

Signature & Office Seal of the vendor

	BHEL Enquiry No. & Date		Vendor's Offer Ref No. & Date			
MODEL PRICE BID FORMAT FOR IMPORT VENDORS						
SI No.	Description	Unit	Qty	Rate Currency	Value Currency	
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
	Total Ex-works Value in currency					
	Add Packing & Forwarding Charges if extra					
	Approximate Freight Charges in Currency					
	Approximate Transit Insurance Charges in Currency					
	CFR Chennai Airport/ Seaport Value in Currency					
	Installation / Commissioning Charges in Currency					
	(If extra applicable)					
	% Service Tax (if extra applicable)					
	Consignment Package Details					
	Approximate Net / Gross Weight in Kgs					
	Dimension of Consignment					
		Signature & Seal of Vendor				
	NOTE:					
	The Price Bid should be submitted strictly in line with the above FORMAT					

MM:CAPITAL EQUIPMENT
Bharat Heavy Electricals Limited, Trichirapalli – 620 014
(To be filled and submitted along with offer)

BHEL Enquiry No.

Date:

BHEL Commercial Terms and Conditions for INDIGENOUS SUPPLIES	Vendor's Confirmation / Comments (To be furnished along with offer copy (or) Technical Bid Copy (Part No - I)
Technical confirmation to BHEL's Specification as called for in BHEL Format shall be furnished. If needed additional sheets shall be used.	
Prices shall be quoted item wise only as per the model format enclosed.	
Prices shall be quoted on " FIRM PRICE " basis only. Vendors should quote for delivery on FOR BHEL, Tiruchy basis only. However, price break-up details like Ex-Works price, P&F charges, freight charges, insurance charges, taxes & duties etc., should be indicated in the offer clearly.	
Validity of offer shall be for a minimum period of 120 days from the date of Tender opening	
Delivery period from the date of Letter of Intent shall be clearly mentioned in the offer.	----- Weeks
Liquidated damages @ ½% per week subject to a maximum of 15% of the order value shall be applicable for delay in deliveries.	
Following Risk Purchase clause shall be applicable: 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 dispatch within the time stipulated 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.	
Submission of Performance Bank Guarantee (PBG): Vendor should provide a performance bank guarantee(PBG) for 10% of the total Purchase order value valid for a period of 12 months from the date of commissioning (or) 18 months from the date of dispatch whichever is later with an additional claim period of 2 months. This PBG shall form one of the documents for effecting payment. The PBG shall be submitted in non-judicial stamp paper value of not less than Rs.80/- issued by any one of the following banks who is a member bank in our consortium of banks. 1) State Bank of India, 2) State Bank of Hyderabad, 3) State Bank of Travancore, 4) State Bank of Mysore, 5) Canara bank, 6) Bank of Baroda, 7) Punjab National bank, 8) Deutsche Bank, 9) HDFC Bank, 10) Standard Chartered Bank, 11) Citi Bank, 12) Standard Chartered Grindlays Bank 13) Bank of America and 14) Any one of the Nationalised banks.	
Payment terms for supply portion: <ul style="list-style-type: none">• 100% payment will be made within 45 to 90 days after receipt and acceptance / commissioning of goods at BHEL against submission of PBG for 10% of Order value with required validity. (or)• 80% value of the goods will be paid against receipt of material within 45 days. Balance 20% will be paid within 45 to 90 days from the date of commissioning / acceptance of goods against submission of supplementary invoice and also against submission of PBG for 10% of Order value with required validity.	
NOTE: All direct Payment of more than one lakh will be made through E-mode Payment . As per BHEL e-mode Format, which will be given at time of ordering along with order copy. (Original filled E-mode payment format is to be get it signed by the both vendor's authorized signatory and their banker's along with a copy of cheque leaf / cancelled cheque leaf for the respective account number and forward the original hard copy to BHEL/Trichy to process invoices for making payment, after supplies are made).	

Contd.....2

Erection / commissioning: Erection / commissioning shall be done at free of cost.	
The equipment shall be guaranteed for a period of 12 months from the date of commissioning.	
Equipment will be inspected and proved at vendor's works prior to dispatch. However final inspection and acceptance of equipment will be after installation at BHEL, Trichy.	
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.	
Any warranty replacement during warranty period shall be supplied free of charge on FOR BHEL, Trichy basis.	
Offers should be submitted only in sealed cover super-scribing clearly the Enquiry reference and due date.	

NOTE:-

- a) It is confirmed that all the terms and conditions stipulated in the Enquiry have been fully understood by us and all clarifications & details have been obtained.
- b) Your specific acceptance to the BHEL Payment terms, LD, Risk Purchase Clause & Submission of PBG for 10% of the order value are essential for consideration of your offer. Other wise your offer is liable for rejection.

Signature & Office Seal of the vendor

	BHEL Enquiry No. & Date		Vendor's Offer Ref No. & Date		
	MODEL PRICE BID FORMAT FOR INDIGENOUS VENDORS				
Sl No.	Description	Unit	Qty	Rate in Rs	Value in Rs
1					
2					
3					
4					
5					
6					
7					
8					
	Total Ex-works Value in Rs				
	Add Packing & Forwarding Charges if extra				
	FOR- Despatching Station Value in Rs				
	% of Excise Duty (If Extra or If inclusive)				
	% of Excise Duty (If inclusive)				
	% Sales Tax - CST against "C" Form (If extra)				
	% Sales Tax - CST With out "C" Form (if extra)				
	% VAT (if extra)				
	% VAT (if inclusive)				
	Approximate Freight Charges in Rs				
	Approximate Transit Insurance Charges in Rs				
	Installation / Commissioning Charges in Rs.				
	(If extra applicable)				
	% Service Tax (if extra applicable)				
	Consignment Package Details				
	Approximate Net / Gross Weight in Kgs				
	Dimension of Consignment				
		Signature & Seal of Vendor			
	NOTE:				

MM : CAPITAL EQUIPMENT

COMMERCIAL TERMS AND CONDITIONS

1.0 QUOTATIONS

The Bidders shall submit the offer in **TWO INNER ENVELOPES** as indicated below which shall be sealed in one outer envelope.

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.

Both the envelopes (Part I & II) shall be put in one cover, duly sealed, superscribing as Part I and Part II of Enquiry No., due date of opening and the address and reference of the Bidder.

The above offer should reach this office on or before the due date by 14.00 Hrs (IST). Late offers will not be considered.

Tender should not be addressed to any Individual's name but only by designation to:

**DY. MANAGER / MM /CAPITAL EQUIPMENT
BHARAT HEAVY ELECTRICALS LIMITED
HIGH PRESSURE BOILER PLANT
TIRUCHIRAPALLI - 620 014
TAMIL NADU, INDIA**

Contd 2/-

: 2 :

Tenders should be free from **CORRECTION AND ERASURES**, Corrections if any, must be attested. All amount shall be indicated both in words as well as in figures. Where there is difference between amount quoted in words and figures, amount quoted in words shall prevail.

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.

2.0 PART I (TECHNICAL & COMMERCIAL BID)

2.1 Technical

This part shall include / indicate the following :

- 2.1.1. Offer should contain complete scope of supply with all technical details, specifications, delivery and other commercial terms and conditions.
- 2.1.2. Point by point confirmation for the Technical Specification enclosed to be provided. if there are any deviation, the same should be clearly specified. Offers received without confirmation to our specification will be rejected.
- 2.1.3. List of customers to whom same or similar equipment have been supplied along with performance certificates to be enclosed.
- 2.1.4. Relevant catalogues to be attached
- 2.1.5. List of spares parts (with part numbers) for two years operation and maintenance should be attached.
- 2.1.6. Information on shipping weight and cubage (length, width & height) to be provided.
- 2.1.7. Incase of foreign bidder offer, the Principal's technical offer should be enclosed.

2.2 Commercial

This part shall include / indicate the following :

- 2.2.1. Port of shipment / Station of despatch
- 2.2.2. Terms of payment
- 2.2.3. Taxes & duties applicable.
- 2.2.4. Delivery Schedule

Contd 3/-

: 3 :

- 2.2.5. Offer validity
- 2.2.6. Country of origin
- 2.2.7. Percentage of agency commission if any along with a copy of Agency agreement.
- 2.2.8. A copy of “Un-Priced Part II” i.e., a copy of the Price Bid **without the price details** to be enclosed.

3.0 PART II (PRICE- BID)

This part should contain the schedule of price particulars and to be co-related to the technical details provided in Part I.

4.0 OPENING OF TENDERS

The Part I - Technical & commercial bid alone would be opened on the Tender opening date. 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. Clarifications if any required by BHEL for Technical evaluation would be sought from Bidders before opening of Part II - price bid.

5.0 GENERAL

- 5.1. Incomplete offers will not be considered.
- 5.2. **Fixed Price:** 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 treated as non - responsive and rejected. Prices shall be written in words and figures. In the event of difference, the price in words shall be valid and binding. Unit prices shall be considered correct in the event of any discrepancy with regard to total price.
- 5.3. **Bid Currency:** Indian bidders should submit the prices only in Indian Rupees. Foreign bidders may submit their bid in their home currency.
- 5.4. **Terms of Delivery:** Bidders are required to quote their best delivery period. Foreign Bidders should submit their offer for net **CFR Chennai Sea / Air Port**. Indian Bidders should submit their offer for **FOR BHEL Trichy -14**.

Contd 4/-

: 4 :

5.5. **Taxes and Duties :** All Taxes and Duties payable as extra to the quoted price should be specifically stated in offers along with CST & VAT / Tariff No. etc., failing which the purchaser will not be liable for payment of such Taxes and Duties.

5.6. **Validity :** The offers for main equipment and spares shall be kept open for acceptance for **120 days (one hundred and twenty days)** from the date of opening of the tender (Part I).

5.7. **Terms of Payment :**

5.7.1. **Indian Bidders**

5.7.1.1. The preferred payment terms are indicated below :

5.7.1.2. 100% payment, within 45 to 90 days, after receipt / acceptance / commissioning of equipment at BHEL, Tiruchi, against submission of 10% Performance Bank Guarantee on total order value.

or

5.7.1.3. 80% payment against receipt within 45 to 90 days, (after pre-despatch inspection) and balance 20% payment after acceptance / commissioning of the equipment 45 to 90 days, 45 to 90 days against submission of 10% Performance Bank Guarantee on total order value.

5.7.2. **Foreign Bidders**

An Irrevocable Letter of Credit shall be established for 80% of the value of the goods. Balance 20% shall be paid on receipt / acceptance / commissioning of the goods at BHEL against submission of Performance Bank Guarantee for 10% on total order value. All bank charges outside India are to Vendor's account.

5.8. **Performance Bank Guarantee (PBG):** The Bidder, in the event of an order, should furnish a bank Guarantee from an Indian Bank approved by BHEL, at no extra cost in a proforma prescribed by BHEL, along with the order, for an amount equivalent to **10% (Ten Percent)** of the value of the contract. The PBG shall be valid for period of **18 months** from the date of dispatch or **12 months** from the date of receipt / acceptance / commissioning of the equipment at BHEL, Tiruchi which ever is later with additional claim period of 2 months.

Contd 5/-

The Performance Bank Guarantee shall be obtained from any one of the following banks who is a member bank in our consortium of banks.

- 1) State Bank of India, 2) State Bank of Hyderabad, 3) State Bank of Travancore, 4) State Bank of Mysore, 5) Canara Bank, 6) Bank of Baroda, 7) Punjab National Bank, 8) Deutsche Bank, 9) HDFC Bank, 10) Standard Chartered Bank, 11) Citi Bank, 12) Standard Chartered Grindlays Bank, & 13) Bank of America or any other Nationalised Bank

- 5.9. **Liquidated damages :** It is clearly understood among the parties to the contract the “ **Time is the essence of the contract** ”. Therefore, the delivery of the goods specified in the purchase order should be made within the time prescribed. Where the seller supplies or despatches the goods, beyond the delivery period specified the purchaser will have no obligation to accept the goods. If accepted liquidated damages at the rate of 1/2% of the value of goods delayed for each week of delay subject to a maximum of 15% of the order value will be levied.
- 5.10. **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 therefor. The supplier shall be liable for any loss which the Purchaser may sustain by reason of such risk purchases.
- 5.11. **Indian Agency Commission :** In case of Foreign Bidders, agency commission if any, payable to their Indian Agents, shall shown separately in the Offer. This will be paid by us in India, in Indian Rupees, on satisfactory completion of the Contract. Copies of current Agency Agreement / Authorization Letter in respect of Agency Commission shall be furnished alongwith offer. For calculation of Rupee equivalent of Agency Commission, exchange rate as prevailing on the date of offer will be taken.

NOTE:-

To curb possible manipulation by agents, it is desirable that as far as possible BHEL discourage in dealing with **agents** of OEMs. (**Original Equipment Manufacture**)s.

: 6:

i) When it is not possible to directly deal with OEMs and the involvement of agents become unavoidable, BHEL is made it clear to OEMs that while appointing Indian agents, it is responsibility to ensure that the agents are not representing other OEMs in the same tender.

ii) OEMs should also ensure that banned agents / employees of banned agents are not engaged by them in any capacity. An undertaking to this effect should be taken by OEMs and provided for each tender. It is also made it clear that if at any stage it is found that the OEM has appointed an agent who

- a. is banned by BHEL or
- b. is an employee of a banned agent or
- c. is found to be representing more that one OEM in the same tender the OEM (s) shall be disqualified

5.12. **Test Certificates / Operating and Maintenance Manuals :** 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.

5.13. **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 tender is availing **MODVAT** credit for his input materials, the effect of proforma credit should be passed on to the purchaser.

5.14. **Packing and Marking :** The Supplier shall arrange for securely protecting and packing the stores to avoid loss or damages during transit.

5.15. 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.