

GOVERNMENT OF JHARKHAND
DEPARTMENT OF MINES AND GEOLOGY
DIRECTORATE OF GEOLOGY

TENDER DOCUMENT

Tender No: 05/2018-19

Tender for Purchase of Polarizing Microscope for State Geological
Laboratory, Hazaribagh

Issued to: -

Address: -

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SECTION I

TENDER NOTICE

**Government of Jharkhand
Department of Mines & Geology
Directorate of Geology
Engineers' Hostel No-2, 2nd floor, Dhurwa, Ranchi-834004**

Tender Notice No. 05/2018-19

Directorate of Geology invites sealed tender on plain paper from manufacturers/ authorized agents/ distributors of repute having their registered offices in India for the purchase of Tender of Polarizing Microscope for State Geological Laboratory, Hazaribagh as laid down in the Tender Document.

1. Name of the Department : Directorate of Geology,
Department of Mines & Geology,
Jharkhand, Ranchi
2. Name of the advertiser : Director, Geology
Department of Mines & Geology
Jharkhand, Ranchi
3. Date and time of sale of Tender Document : 21-02-19 to 13-03-19 In working days
11 A.M. to 6 P.M.
4. Last date and time of receipt of Tender Document 13-03-19 till 1.00 PM
5. Date and time of opening of Tender Document 13-03-19 at 3.00 PM
(In the office of Director, Geology,
Engineers' Hostel No-2, 2nd Floor,
Sector-III, Dhurwa, Ranchi-834004)
5. Place of sale of Tender Documents : Office of the Director, Geology,
Engineers' Hostel No-2, 2nd Floor, Sector-
III, Dhurwa, Ranchi-834004.
6. Place of receipt of Tender Documents : Office of the Director, Geology,
Engineers' Hostel No-2, 2nd Floor, Sector-
III, Dhurwa, Ranchi-834004.

Sd/-
Director, Geology

- **Tender Documents are available on our website www.jharkhand.gov.in.**

7. Cost of Short Tender Document:

Sl.No.	Equipment/Items	Cost of the Tender Document (In Rs.)
1	Polarizing Microscope	5000.00

8. The Cost of Tender Document should be paid online at our website www.jharkhandmineral.gov.in favor of Directorate of Geology. Payment challan will be attached with Tender Documents.
9. Cost of Tender Document is non - refundable.
10. Firm/Authorized dealer/Manufacturer should be necessary to registered in GST.
10. Rates quoted should be valid for one year.
11. Conditional and implicit tenders will not be accepted.
12. The undersigned reserves the right to reject /cancel /postpone any or all tenders in part or full.
13. In case of any dispute the legal jurisdiction shall be Jharkhand High Court at Ranchi only.
14. Other details will be applicable as mentioned in the Tender Documents.
15. For any clarifications please contact the office of the undersigned on any working day or contact:-
Telephone 0651 – 2400791

Sd/-
Director, Geology

- **Terms, Condition & Application form are available on our website www.jharkhand.gov.in.**

SECTION - II

BID FORM

Tender Notice No. 05/2018-19

To

The Director, Geology,
Department of Mines & Geology,
Govt. of Jharkhand

Dear Sir,

I/We have undergone all the specifications of **Equipments/Instruments** terms & conditions of the tender document. Based on terms, conditions and specifications I/we am/are quoting the rate and I/we will supply the items in accordance with specifications within the time limit and terms & conditions stipulated in the Tender Document.

If our quoted rate is accepted, we shall submit the securities as per the conditions mentioned in the document.

We agree to abide by this quoted rate for a period of one year from the date of finalization of rate and it shall remain binding upon us for the aforesaid period.

Tender submitted by us is properly sealed and prepared so as to prevent any subsequent alternation and replacement.

Dated this _____ day of _____ (the year)

Signature of Authorized Signatory _____

In capacity of _____

Duly authorized to sign the bid for and on behalf of

Signature & seal of the Tenderer

SECTION - III

TENDERER'S PROFILE

1. Name of the Tenderer/ Firm/Manufacturer

2. Name of Proprietor/Partners/Director

3. Address of the Firm

5. CONTACT NO.

Telephone:

Mobile:

Alternative Mobile no:

E-mail address:

Fax:

6. Registration & incorporation particulars of the firm:

i) Proprietorship:

ii) Partnership:

iii) Private Limited:

iv) Public Limited:

7. Tenderer's Bank, his address and current account number:

8. Permanent Income Tax Number, (PAN) and Income Tax Circle:

I/ We hereby declare that the information furnished above is true and correct.

Place:

Date:

Signature & seal of the Tenderer

SECTION - IV

DOCUMENTS ESTABLISHING BIDDER'S ELIGIBILITY AND QUALIFICATIONS

The tenderer shall furnish the photo copies of following documents as part of his Tender Documents all duly self attested:-

A) Documents

1. The Bidder shall furnish as part of his bid an **Earnest Money deposit** for the required amount as prescribed in column-3 of section – VI.
2. Original Tender Document, duly filled in and signed by the tenderer or his authorized representative along with seal on each page. All corrections and overwriting must be initialed with date by the tenderer or his authorized representative. No correction/overwriting is allowed in Price Bid.
3. Copies of latest **Income Tax Clearance Certificate** and **PAN card**.
4. A copy of **Sales Tax Registration Certificate** along with number.
5. A copy of GST Registration Certificate along with number or Applied Copy.
6. A copy of latest **Sales Tax Clearance Certificate**.
7. A copy of **Registration of Firm** (Authenticated copy of **Partnership Deed** in case of partnership firm)
8. **Bid Form** (section II) and **Tenderer's Profile** (section III) of the Tender Document dully and properly must be filled up the by The Tenderer.
9. Original "**Power of Attorney**" in case person other than the tenderer has signed the Tender Document.
10. **Authorized Dealer Certificate** shall be enclosed.
11. A copy of **ISO 9001 certification** for the product.
12. Applicant should submit Notarized Certificate that Company/Firm/Individual has not been blacklisted in the past by any organization.

B) General

1. All the document must be marked as Annexure.
2. Self attested documents must be shown in original at the time of tender opening.

Signature & seal of the Tenderer

SECTION – V

Tender Specification of Equipment/Instruments

1. MICROSCOPE WITH CCD CAMERA & COMPUTER

Microscope with CCD camera for materials science

Trinocular model

HWF 10x/22 mm eyepieces

Reversed quintuple nosepiece

Plan M-IOS objectives t Transmitted 3 W NeoLED™ illumination

Reflected 3 W NeoLED™ illumination

Polarization and analyzer filters

Specifications

Highlights

Trinocular model t HWF 10x/22 mm eyepieces t Reversed quintuple nosepiece t Plan M-IOS objectives

Transmitted 3 W NeoLED™ illumination t Reflected 3 W NeoLED™ illumination t

Polarization and analyzer filters t 10 years warranty

Eyepieces

HWF 10x/22 mm eyepieces. All eyepieces can be secured with an Allen screw

Head

TrinocularSiedentopf heads with 30° inclined tubes. Interpupillary distance from 48 to 75 mm. Diopter ± 5 diopter adjustment on both eyepieces. A unique rotating system allows ergonomic positioning of both tubes in an upper (431 mm) and in a lower position (397 mm)

Nosepiece

Reversed nosepiece for a maximum of 5 objectives on ball bearings

Objectives

(IOS-infinity corrected system)

Standard configurations equipped with infinity corrected DIN long working distance LWD plan ,M-IOS

5x/0.14, WD: 10.8mm

10x/0.25, ..WD: 10mm

20x/0.40 ...WD: 4mm

plan semi apochromatic LWD 50x/0.55..WD: 7.9mm

All optics have an anti-reflection coating for maximum light throughput and are anti-fungus treated

Signature & seal of the Tenderer

Focusing

Coaxial coarse and fine adjustments, 200 graduations, 1 μm per graduation, 200 μm per rotation,

Stage

180 x 145 mm stage with integrated mechanical 78 x 45 mm X-Y stage. should be supplied with plain metal and plain glass inserts

Condenser for Transmitted illumination

Height adjustable Abbe condenser N.A. 1.25 with iris diaphragm and filter holder

Transmitted illumination

3 W adjustable NeoLed™ illumination with integrated 100-240 V power supply. Köhler illumination with field diaphragm

Reflected EPI-Illumination

Intensity adjustable 3 W NeoLED™ Köhler illumination with external 110-240 Vac / 5 Vdc power supply.

Push-pull type 90° rotatable polarizer and fixed analyzer.

Built-in condenser with field and aperture iris diaphragm. Oblique lighting feature. should be Supplied with blue and green filter

Cooled CCD color Camera with Image acquisition software

Specifications

Sensor High Resolution CCD 2/3 inch

Pixels 2580 x 1944 pixels, 5.0 Mpix

Pixel size 3.4 μm x 3.4 μm

Filter RGB

Mount C-mount thread. Delivered without objective

Max fps 3 frames per second (2580 x 1944 pixels)

12 frames per second (1280 x 932)

ADC 16 bits

Color depth 36 bits

Exposure Automatic or manual from 0.1 ms to 20 min

White balance Automatic/manual

Dynamic range 74 db

Sensitivity 500 mV @ 3200 K and 706 cd/m², 1/30 sec accumulation

Interface USB-2 at 480 Mb/s

Peltier cooling -30° C below ambient temperature

Dimensions 130 x 111 x 54 mm (hxbxt)

Weight 920 gram

Operation 0 – 60° C, 10-85 % humidity

Supplied with USB 2.0 cable, 100-240 Vac to 5Vdc/4A power adapter for Peltier cooling, should be supplied with computer and printer

Signature & seal of the Tenderer

Image Focus software

Capture:

Image acquisition: Basic controls like Preview Resolution and Capture Resolution, White Balance,

Take still images and videos: File saving different formats like Jpg, Tif etc, with Time or continuous Shooting or shooting with timer with number of frames .

Exposure Control: Auto Exposure, Manual Exposure, Frame speed Normal or High Gain, & Data Width, (16 bit or 8 bit)

Color Control - Adjust image color, gamma, contrast and saturations, W balance, Colour Enhancement, Black Balance, Adjustment of Red, Green and Blue.

Fluorescence Settings: Exposure, Gain and Black level (important during Fluorescence) Adjust levels of histogram, Capture Mode (Manual, Fine and Excellent)

Save and Load Parameter

Measurements (Show Scale Line, Calibrate, Calibrate table, Decimal, Measurement List, Lock, Delete, Select, Line, Parallel, Perpendicular, Rectangle, 2 points circle, 3-points circle, Diameter circle, Concentric circles, Polygon, Arc, Angle, Point, Remark.);

Signature & seal of the Tenderer

SECTION – VI

1. Earnest Money Deposit (EMD)

Sl. No.	Items	EMD (in Rs.)
1	2	3
1	Polarizing Microscope	75000.00

1. The Tenderer shall have to deposit the earnest money as mentioned in column 3 above.
2. The Tenderer shall deposit the **Earnest Money Deposit (EMD)** in the shape of **Bank Guarantee** from any nationalized/scheduled Bank valid for 270 days from the date of opening of the tender and duly pledged in favour of the Director, Geology, Department of Mines & Geology, Government of Jharkhand.
3. The Tender not accompanied with adequate EMD as mentioned above, will be straight way rejected.
4. No interest shall be paid by the Directorate on the Bid Security for any period.
5. The successful bidder's EMD will compulsorily be converted into "Security Deposit.
6. The earnest money deposit shall be forfeited if a bidder withdraws his bid during the period of bid validity specified and also if the bidder makes any modifications in the terms and conditions of the tender before acceptance of the tender.

Signature & seal of the Tenderer

2. Bid Security Deposit :

1. Successful Tenderer shall deposite 5% (five percent) of the quoted/accepted rate. In case of S.S.I. units of Jharkhand the security deposit is 2% of the quoted/accepted rate.
2. The bid security money should be in the shape of **Bank Guarentee** from any nationalized/scheduled bank valid for 270 days from the date of opening of the tender and duly pledged in favour of the Director, Geology, Department of Mines & Geology, Government of Jharkhand.
3. The EMD amount will be adjusted against the Security Money.
4. The Security Money will be refunded after six months from the date of delivery of whole material in good condition & proper functioning.

Signature & seal of the Tenderer

SECTION –VII

PREPARATION & SUBMISSION OF BID

1. The Bid shall be typed or printed and the Bidder shall initial each page. The authorization to sign the Bid Document must be confirmed by a written Power of Attorney accompanying the Bid.
2. Bidders would provide all the information as per this Tender Document and in the specified formats. The Purchase Committee reserve the right to reject any Bid that is not in the specified formats.
3. The Bid must contain no interlineations or overwriting. If it is necessary to correct, the correction must be done by the Bidders themselves. Such corrections must be initialed by the person or persons signing.
4. Bidder must Not indicate directly or indirectly their Financial Bid any where in envelop of the technical Bid. Any such disclosure shall result in summarily rejection of whole of the Bid of the concerned Bidders.
5. Bid for each tender should be submitted in three envelopes placed inside a main cover. These envelopes should contain the following:-

Sr.No.	Envelop	Mark on the cover	Contents of Envelop
1	First	EMD & GENERAL	Containing EMD and all the requisite qualifying and other documents as prescribed in section iv and other parts of the Tender Documents.
2	Second	Technical Bid	Containing Technical Specifications of the product necessarily in the prescribed format and order (also with a soft copy in CD)
3	Third	Financial Bid	Unit Rate of the Items (inclusive of all the taxes, levies, freight, incidental, overhead etc.)

Signature & seal of the Tenderer

The envelopes, of “EMD” OR “TECHNICAL”OR “FINANCIAL” must be clearly mentioned and should be properly sealed (with sealing wax/ packing PVC tape). These envelopes are to be placed inside a big envelope and properly sealed (with sealing wax/ packing PVC tape). The tenders which are not submitted in above mentioned manner shall be summarily rejected.

6. On the all envelopes (3 inner & one outer) following details must be writing.

Tender no./Tender for	
“NOT TO OPEN BEFORE (DUE DATE OF TENDER)”	
From:-	To,
Name and Address	The Director, Geology,
of the firm	Department of Mines & Geology,
	Engineer’s Hostel no - 1, 2 nd Floor, Sector-3,
	Dhurwa, Ranchi - 834004

7. Completed/details tender as per the Tender Document should reach this office before and up to **13.03.2019, 1.00 PM**. The Bidder has the option to send the Tender by Registered Post or submit it in person so as to reach the office by the stipulated time and date. Tenders received after the stipulated time will not be accepted. The Tender Document should be submitted to : **DIRECTOR, GEOLOGY, DEPARTMENT OF MINES & GEOLOGY, ENGINEER’S HOSTEL NO - 2, 2nd FLOOR, SECTOR-3, DHURWA, RANCHI - 834004.**
8. In case the Government of India /Government of Jharkhand subsequently, declares date fixed for opening of bids as holiday, bids will be opened on the next working day; time and venue remaining unaltered.
9. Tenderer may submit Bid of one items or more than one items or for all items.

Signature & seal of the Tenderer

SECTION – VIII

General Terms & Conditions

1. The *TENDER* and the *BIDDERS*, are synonymous and shall include his/their legal successors or assignees as well.
2. The Purchase Committee shall open the bids in the presence of bidders or their authorized representatives who choose to attend on due date and time. The bidder's representatives who are present, shall sign an attendance register. The bidder shall submit authority letter to this effect before they are allowed to participate in the bid opening.
3. Only one representative for any bidder shall be authorized and permitted to attend the bid opening.
4. The Tenderer will be bound by all the terms, conditions and specifications as detailed in the tender document.
5. Only those/firms/manufacture should submit tender paper who is capable of completing entire process of tender formalities, sale, supply, service etc on their own.
6. Any person employed in this Department will not be allowed to participate in this Tender before completion of two years after his/her retirement.
7. The Tenderer shall provide all the information as per Tender Document.
8. No modification by tenderer in any of the conditions will be permitted after the tender is opened.
9. The Tender Document is not transferable.
10. The rate quoted must include all the taxes, levies, carriage, packaging, incidental etc. It should be valid for the period of one year. Any increase or decrease of taxes/duties will not affect the price during this period.
11. After acceptance of tender if tenderer refuses to supply the required items, his EMD amount will be forfeited and legal action will be taken.
12. Period of supply/commissioning of material shall be 30 days from the date of supply order. In case of overseas supplies, it will be 60 days.
13. Preference will be given to the product of ISO-9001 certification.
14. The ISO-9001 certified bidders shall be preferred. Bidder should enclose their ISO-9001 certification.

Signature & Seal of the Tenderer

15. The tenderer must enclose catalogue of the product for which tender has been submitted.
16. The tenderer must give the specifications of their product **in the same the format/ order** as mention in Section - V.
17. Additional specifications if any, have to be mentioned at the end.
18. Tenderer must also submit a soft copy of the technical specifications in a **CD** in addition to the hard copy.
19. The supplier has to install the equipments and demonstrate its function and train the personnel without any extra cost.
20. Training for the operation of instruments will have to be provided by the supplier/manufacture up to the satisfaction of officers of Directorate without any extra cost.
21. If the items supplied by the suppliers are not found according to the specifications, satisfactory and upto the required standard then suppliers has to replace the items on his own cost or else his EMD will be forfeited and action initiated.
22. No claims will be entertained regarding loss or damage during transportation.
23. In case of two or more tenderer quote the same rates & specifications, the right to accept or reject any tender without assigning any reasons whatsoever is reserved to the Purchaser.
24. The tenderer shall not assign, sub contract or subject the whole or any part of the works covered by the tender under any circumstances.
25. Under no circumstances for any delay in payment to the supplier, any claims will be considered.
26. No advance payment will be given to tenderers/suppliers for supply of any items.
27. The Directorate reserves the right to disqualify such bidders who have a record of not meeting their obligations against earlier supply order given to them by the Directorate.
28. In the event, the tender does not materialize for any reason whatsoever, the Directorate of Geology will have a right to terminate the tender without obligations and the earnest money will be refunded without any interest
29. The tenderer shall, in addition to any indemnity provided by law, indemnify against all the liabilities whatsoever arising out of the any enactment and amendments shall be wholly responsible for observance of all statutory rules, regulations under any Act or Award of the Government in force in matters relating the employment, payment and related matter.

30. Director, Geology reserves the right to reject any or all the tender bids without assigning any reason whatsoever and is not bound to accept the lowest tender.
31. All disputes shall be settled within the territorial jurisdiction of the Court of Ranchi only.
32. Any Clarification issued by the Directorate in response to query raised by prospective bidders, shall form an integral part of bid documents and it may amount to amendment of relevant clauses of the bid document.
33. At any time before the due date of submission of the Bids, the Purchase Committee may for any reasons whatsoever, at its own initiative or in response to a clarification requested by the Bidders, modify the Tender Document by amendment.

Signature & Seal of the Tenderer

SECTION - IX

FINANCIAL BID

1. The bidder shall give the total composite price inclusive of all levies, taxes, VAT, packing, forwarding, freight and insurance etc.
2. The suppliers shall be responsible for transporting the items as per the supply order of the Directorate in any offices of Directorate of Geology in the State of Jharkhand on their own cost. No separate charges will be payable for transportation.
3. The price so quoted in the price bid by the bidder shall remain fixed for one year from the date of finalization of rate and shall not be subject to variation on any account. A conditional price quotation will not be accepted.
4. Discount if any, offered by the bidders shall be considered if it is specifically indicated in the Financial Bid.
5. The Price Bid may kindly be quoted on the prescribed format marked "Financial Bid" in the following page.

Signature & seal of the Tenderer

FINANCIAL BID

Tender No: 05/2018-19

From :-

To,

The Director, Geology
Department of Mines & Geology
Government of Jharkhand.

Dear Sir,

I/We have undergone all the terms & conditions of the tender document and specifications of **Equipments/Instrument**. Based on terms conditions and specifications I/we undersigned quote the following rate of the item inclusive of all the taxes, levies, GST, incidental, packaging, forwarding, freight, overheads, insurances etc:-

Sl No.	Item	Model & Make	Unit rate (In Rs.) In figure and in words
1	Polarizing Microscope		

If our quoted rate is accepted, we will supply the item in accordance with specifications within the time limit and terms & conditions stipulated in the Tender Document.

Date :

Signature of Tenderer/ Authorized signatory

Name of the Tenderer

Signature & seal of the Tenderer