

TENDER FOR

Engineering Geogical Laboratory

**(
TO**

CIVIL ENGINEERING DEPARTMENT

**DR.BABASAHEB AMBEDKAR TECHNOLOGICAL
UNIVERSITY, LONERE-402 103.
TAL. MANGAON, DIST. RAIGAD. M. S.**

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DR.BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY,
Lonere – 402 103., Tal. Mangaon, Dist. Raigad.

: TENDER NOTICE : DBATU/03/2011, DATE:- 15th sept. 2011

Sealed Tenders in B-1 Form are invited by the under signed from the OEM Parties or authorized dealers for the supply of below mentioned product under UGC/University grants.

Name of Equipment /supplies	E.M.D. in Rs.	Cost of Blank Tender	Validity
Specimens & Models in Engineering Geology Laboratory	2700/-	Rs.300/-	6 Months

Blank Tender forms will be issued in this office from **19/09/2011 TO 17/10/2011** during **10.00 a.m. to 01.00 p.m.** on working days in cash only. Alternatively the form can also be downloaded from our website. However a D.D./Bank guarantee drawn in favor of 'The Registrar, Dr. Babasaheb Ambedkar Technological University, Lonere. Dist Raigad. Maharashtra.' Payable at Mangaon is to be attached along with the tender document in envelope I.

Last date of receipt of completed tender forms is **18/10/2011 up to 3.00p.m.** The schedule for opening the tenders will be notified on university's website in due course of time. Right to reject any or all tenders without assigning any reason thereof is reserved by the competent authority.

REGISTRAR

**DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY,
LONERE, 402 103, TAL. MANGAON, DIST. RAIGAD.**

: Tender Notice and Tender Conditions :

1. Sealed tender in duplicate will be received on prescribed form by the purchasing officer in his office up to the dates mentioned for the supply of stores as per schedules attached.
2. Prescribed Tender Form will be available from this office on payment of **Rs.300/-** non-refundable; on any working day between **10.00 a.m. and 1.00 p.m.** alternatively the form can also be downloaded from our website. However a D.D. drawn in favor of 'The Registrar, Dr. Babasaheb Ambedkar Technological University, Lonere. Dist Raigad. Maharashtra.' Payable at Mangaon is to be attached along with the tender document in envelope I.
 - a) Tenders should quote rates for F.O.R., destination and submit the original tender in printed Tender Form and duplicate copy of an ordinary typed form along with a covering letter attached therewith. They should state the earliest delivery period necessary for completion of the order.
3. The origin of stores offered whether Indian or foreign and in the case of the former, state in which it is manufactured should be clearly stated against each article.
4. The tender in duplicate should be submitted in sealed cover and super scribed with tender No. and date of opening of the tender. The right to ignore any tender which fails to comply with the above instructions is reserved. All outstation tenders should be sent by Registered Post.
5. **Opening of tender** – You are at liberty to be present or authorize your representative to be present at the opening of tender at the time and date specified in the schedule.
6. (a) In the case of stores, subject to price fluctuation clause, the details, viz., i) manufacturer's price ex-works or ex-point of dispatch whether on Rail or sea, ii) freight, iii) dues, and iv) other charges including firm's margin should be clearly and separately stated.
 - (b) Basis of revision in price, if claimed, should be accompanied by details of variation in no other case any revision of price admissible.

7. The purchasing officer does not pledge himself to accept the lowest or any tender and reserves to himself the right of accepting the whole or any part of the tender or portion of the quantity offered against any item and you shall supply the same at the rate quoted. You are at liberty to quote for the whole or any portion of the quantity of any item or state that the rate quoted shall apply if the entire quantity of any such item is taken from you.
8. Where offers by the tenderer are for stores imported with the assistance of the State Trading Corporation the tenderer should specifically stipulate that the offers made are in accordance with the price fixation formula of the State Trading Corporation.
- 8 (a) In the event of the order being placed against any of the tenderers and if the tenderer fails to supply any stores according to the terms and conditions of acceptance of tender or fails to replace any stores rejected by the P.O. or by any person on his behalf within such time as may be stipulated, the Purchasing Officer shall be entitled to purchase such stores from any other source and at such price as the Purchasing Officer shall in his sole discretion think fit.

If action as stipulated above is taken:

01. The offer of the defaulting contractor/supplier will not be considered.
02. The defaulting contractor/supplier will be penalized to the extent of the difference in the rates or 10 per cent of the value of the earlier order, whichever is higher.
03. If the defaulting contractor fails to pay the penalty he will be permanently de-listed from the list of approved contractors of the P.O. and the registration deposit of the contractors will be forfeited to Government.
09. In the case of non-delivery and / or delayed delivery against an order placed with you, the Purchasing Officer, reserves to himself the right to impose such penalty in his sole discretion as he think is fit.
10. (a) **Tenders should be accompanied by Earnest Money as indicated in Schedule attached. The Earnest Money will be forfeited if you fail to complete the contract according to your tender, if accepted. Tender without Earnest Money may not be considered.**

(b) Successful Tenderers will be required to pay a sum fixed by the Purchasing officer as security deposit i.e.2% and enter into agreement for the performance of the contractor. **The security deposit will be returned to the vendor after the expiry of warranty/Guarantee period.**

11. **Samples** :- Tender samples are not required unless specifically called for. Tenders without samples where samples are specifically called for are liable not to be considered. Samples should be affixed with a label showing: -
(a) Name and address of the firm
(b) Tender No.
(c) Opening date of tender
12. Tenderers convicted of an offence under the Bombay Prohibition Act, 1949, or the Bombay Opium Act, 1936, will be considered ineligible for being given contracts.
13. **Release of controlled materials**– Tenderers who do not stipulate conditions regarding release of controlled materials may be given preference.
14. **Extension of time** –
- i) As soon as it is apparent that contract dates cannot be adhered to, an application shall be sent to the purchasing officer.
 - ii) Without prejudice to the foregoing rights, in such failure to deliver in proper time as aforesaid shall have arisen from any cause, which the purchasing officer may admit as a reasonable ground for an extension of the time (and his decision shall be final). He may allow such additional time as he considers to be justified by the circumstances of the case.
 - iii) Provided always that any failure or delay on the part of sub-contractors through their employment may have been sanctioned shall not be admitted as a reasonable ground for any extension of time or for exempting you from liability for any such loss or damage, as aforesaid and provided further that no extension shall be allowed unless application for it shall, in the opinion of the purchasing officer (which shall be final) have been made and in his opinion is justified.
 - iv) The purchasing officer (**Registrar**), Dr.B.A. Tech.University reserves the right to call for break-up of the tender where necessary.
14. **General Instructions** :-
- (1) Priced Tender Form should be returned duly filled in, failing which tender will not be considered.
 - (2) Tenderers should submit their tender in duplicate.
 - (3) S.T., G.T. or VAT should be clearly stated failing which it will be taken as inclusive of all taxes.

(3-A) Any statutory increase, or decrease, as an act of States or the Central Government relating to Sales and other Taxes shall be to the account of the purchaser by a contractor.

(3-B) **Fall Clauses** – It is a condition of the contract that all through the currency thereof, the price at which you will supply the stores should not exceed the lowest price charged by you to any customer during the currency of the rate contract and that in the event of the prices going down below the rate contract prices you shall promptly furnish such information to us to enable to amend the contract rates for subsequent supplies.

(4) Tenderers not on the register of this office should deposit in this office as Earnest Money an amount of **Rs. 2700/-** and requisite **D.D.** submitted along with the tender failing which the tender will be rejected forthwith.

(5) Exact earliest and clear delivery period should be quoted.

(6) It will be the responsibility of the Tenderer to inform this office within the validity period of the tender in the event of the stores offered ex-stocks being sold elsewhere. Failure to comply with this instruction shall be construed to mean that the stores are available ex-stock during the validity period.

(7) Tenderers should indicate the rates in Metric System of Weights and Measures only.

(8) Tenderers may quote rates for equivalent makes, store also and should indicate specifically the make of spare parts, i.e. genuine, imported equivalent make or indigenous. They are required to give guarantee for premature wear, exact fitness and satisfactory performance of the parts, offered other than the genuine (original manufacture of the machinery).

(9) Ex-stock offer or those on Tenderer's own import license will only be preferred.

(10) Tenderers should state the place of inspection of the stores offered, if the goods are offered for inspection outside Maharashtra State the Tenderers will have to bear all expenditure of inspection carried out by this office.

N.B.- Special consideration would be given in the case of Tenderers quoting the requirements of Maharashtra Government with Indian Standards Specifications and those with quality markings.

Goods should be dispatched at carrier's risk failing which they should be properly covered by transit insurance. However, the supplier will be responsible until the entire store contracted for arrival in good condition at destination.

(11) Please note that Tender Form should be filled in serial order of item Nos. 1,2,3 etc. and rates accordingly typed in **No.4** of the printed Tender Form in original and also on the counterfoil the rate of each item and other details should be given as required under each column. If the specifications are different than those prescribed in the tender, they should be shown on a separate page but rates for these items should be indicated on the printed form. Same procedure should be followed for alternative tender for the same item.

(12) Samples for the quoted items must be submitted along with tender.

(13) Samples destroyed in tests will not be returned and no payment made thereof.

(14) Offers of Small Scale Industries quoting their registration number with the Directorate of Industries, Maharashtra and National Small Scale Industries Corporation (Government of India) shall be only for items of approved programme of manufacture of the contesting Small Scale Industries Unit. Likewise the offers of state Industrial Co-operative Associations, Maharashtra State shall be on behalf of the member Industrial Co-operative Societies only and those of M.S.S.I.D.C., shall be on behalf of S.S.I. Units registered with the Directorate of Industries of Maharashtra State and restricted to products of their own manufacture.

Note :- (1) Tender Samples – Analysis Reports on Tender on Tender Samples will not be furnished to tenderers.

(2) **Tenders offered by Tenderers** – Tenderers should, if not in a position to quote for entire quantity and for delivery as required, state specifically the quantity which they can deliver at the prices quoted and according to the required delivery. Silence on the point will entail responsibility for supply at quoted prices in full quantities as per required delivery.

(3) **Packing** – Packing proposed to be employed should be clearly stated giving details of the charges for all alternative packs.

(4) Failure to observe any of the conditions mentioned above will result in the tenders being summarily rejected.

INSTRUCTIONS TO THE TENDERER :

Please do not forget to Attach :

1. **Demand Draft** of State Bank Of India in favour of The Registrar, Dr. Babasaheb Ambedkar Technological University, Lonere – Mangaon for the amount of **Rs.2700/-** against Earnest Money Deposit.
2. Attached copy of authorization certificate issued by Principal Company.
3. Proprietary Certificate
4. Attested copy of Sales Tax Registration Certificate should be attached.
5. The authorized dealer or distributor should have at least three years experience in the development of the Specimens & Models in Engineering Geology Laboratory and should have supplied to reputed Government institutes/Universities. Attach proofs of the same.

Important Note:

Please do note that omission to attach any of the above listed documents shall cause rejection of Tender.

Registrar

**DR.BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY,
LONERE –402 103**

**INVITATION OF TENDER
DETAILED TENDER NOTICE**

1. Sealed tender in B-1 form are invited from authorized dealer/distributor/Principal company.

Tender form, the conditions of the tenders, specifications can be had on cash payment of **Rs.300/-** (Non-refundable) per set from the office of the Registrar, Dr.Babasaheb Ambedkar Technological University, Lonere, Tal.Mangaon, Dist Raigad on any working day from **19/09/2011 TO 17/10/2011** during the office hours. Alternatively the form can also be downloaded from our website. However a D.D. drawn in favor of ‘The Registrar, Dr. Babasaheb Ambedkar Technological University, Lonere. Dist Raigad. Maharashtra.’ Payable at Mangaon is to be attached along with the tender document in envelope I.

- 2) The tender forms duly completed shall be received in the office of the Registrar, Dr.Babasaheb Ambedkar Technological University, Lonere, Tal. Mangaon, Dist. Raigad upto date **18/10/2011 upto 3.00 p.m.** The schedule for opening the tenders will be notified on university’s website in due course of time in the presence of such indenting tenderer or his / their representative who may present at that time. Tenders sent by post shall be sent well in advance by registered post and must reach by the above time & date. For late delivery by postal or any other authentic mailing services, the institute shall not be responsible.
- 3) The tenders should be accompanied by the D.D.(for the amount of **Rs.2700/-**) of State Bank of India, on Mangaon Branch in favour of The Registrar, Dr. Babasaheb Ambedkar Technological University, Lonere, Tal.Mangaon, Dist Raigad as earnest money deposit.
- 4) Earnest money in any other form of cash, Term deposit or Cheque shall not be accepted.
- 5) The amount of earnest money shall be forfeited, in case of successful tenderer does not pay amount of initial security deposit within the time stipulated by the Registrar and complete the tender documents. In all other cases, the earnest money shall be refunded.
- 6) The successful tenderers shall have to pay the security deposit in cash/ **Bank guarantee** i.e. @2%.

- 7) The event of the failure of the tenderer to pay cash security deposit within ten days (unless extended by the Registrar in writing) from the date of receipt of the notice of acceptance of the tender, the earnest money shall be forfeited to the Institute and the acceptance of his tender shall be considered withdrawn. Except that in the event of the notice of acceptance of the tender not being issued within 90 days of the date of opening of the tender, the tenderer shall have to option (to be intimated in writing in good time before the expiry of 90 days period) of withdrawing his tender in which case the earnest money shall be refunded in full. All the tenders shall remain open for the period of 90 days from the date fixed for the opening of the tender and thereafter until it is withdrawn by the tenderer by notice in writing.
- 8) Earnest money of the unsuccessful tenderers will be refunded on their application only after an intimation of rejection of their tender is sent to them or on expiry of the validity period whichever is earlier.
- 9) No pages shall be removed or replaced from the tender.

Tendering Procedure :

- 1) Blank tenders can be purchased from the office of The Registrar, Dr. Babasaheb Ambedkar Technological University, Lonere.
- 2) **Manner of submission of the tender and its accompaniments:**
Tenderer should submit the tender in two separate sealed envelopes as detailed below.
 - A. Envelope No. I (Documents) : The first envelope clearly marked as Envelope No 1 shall contain the following documents.
 - a) D.D.s of State Bank Of India for the amount of the Earnest Money/Tender form fee.
 - b) Sales Tax registration and clearance certificate should be attached.
 - c) Attach experience certificate of last three years in the supply of proposed product and should have supplied to reputed Govt. institutes/Universities.
 - d) Authorization certificate from principal company.
 - e) Proprietary certificate from principal company.

B.Envelope No. II: (Tender): The second envelope marked as Envelope No.II Shall contain only the main tender including the stipulations issued by the Institute after the last date of sale of Tender forms. A tender submitted without this would be considered as invalid. The tenderer should quote his offer on schedule B of the tender documents to be submitted only in envelope II. He should not quote this offer anywhere directly or indirectly in Envelope No. I. The manufacturer/dealer/supplier/shall quote for the supply of proposed product as per the details given in the main tender and also based on the detailed set of additional stipulations issued by the Institute as informed to him by letter from Institute, after the last date of sale of tender forms.

Submission of Tender:

The two sealed envelopes No. I and II shall be again put together in one common cover and sealed. This sealed cover shall be marked on the left hand top corner

“Tender for Supply of “Specimens & Models in Engineering Geology Laboratory ”

The full name and address of the tenderer and the name of the Authorized supplier delivering the sealed cover containing the tender shall be written on the bottom left hand corner. If submitted by Post, the sealed envelope marked as above shall be enclosed in another cover properly addressed and shall be sent by Registered Post. The date and time for the receipt of envelope containing tender shall strictly apply in all cases. The tenderers should ensure that their tender is received by the Registrar, Dr. Babasaheb Ambedkar Technological University, Lonere before the expiry of the date and time. No delays on account of any cause will be entertained for the late receipt of the tender. Tender offered or received after the date and time is over will either not be accepted or if inadvertently accepted will not be opened and shall be returned to the tenderer unopened.

While submitting your tender, the following procedure may please be observed and other points borne in mind.

01. The maker's name must be specified.
02. The “Terms and conditions” for supply and delivery of stores, should be clearly indicated in the tender , stating whether rates quoted are, inclusive of all Taxes, Packing and forwarding charges freight charges etc. not ,
However rates offered as including all taxes will be more welcome.
03. Please mention clearly whether consignment would be Ex-Godown , Ex-shop of F.O.R. dispatching stations. Preferably terms offered as “delivery of consignment of stores, on F.O.R.
04. Tender received after the stipulated date and time may not be taken into consideration.
05. Items tendered should confirm to the specification shown in the attached list when and where, full or no specifications are indicated against items in the list. Kindly furnish your full specification in accordance with accepted standards against each item tendered. Where reference to catalogue is made, the relevant catalogues / pamphlets / Literature should accompany the tender.
06. Your tender should be for all new items and not for second hand.

07. Please state whether items will be available Ex-stock, If not the minimum period for delivery, or for supplying the items or stores.
08. It should be clearly stated whether , Excise duty, Sales Tax, General Tax, Central sales Tax , Insurance Freight or Packing and Forwarding charges, or any other taxes and duties etc. livable.
09. It would be appreciated if illustrated catalogues/ Literature etc are furnished with the tender.

Opening of Tenders : - On the date specified (if possible) for the opening of the following procedure shall be adopted for the opening.

- a) Envelope No. I: First of all, Envelope No. I of the tender will be opened to verify its contents as per the requirement. If the various documents contained in this envelope do not meet the requirements of the Institute , a note will be recorded accordingly by the tender opening authority and the said tenderer , Envelope, No.II will not be considered for further action but the same will be recorded.
- b) Envelope No.II: This envelope shall be opened immediately after the opening of the envelope No. I only if the contents of the Envelope I are found to be acceptable to the Institute, the tender rates in **schedule B** shall then be read out.

Acceptance of Tender :

01. Acceptance of tender may be communicated to the supplier by Fax or E mail or by Telephone or otherwise by The Registrar, Dr. Babasaheb Ambedkar Technological University, Lonere.
02. The right of not accepting the lowest offer is reserved with The Registrar, Dr. Babasaheb Ambedkar Technological University, Lonere. The acceptance criterion of the tender contains the following procedure.
 - a) Full specification of the proposed Software/equipment/supplies to be submitted along with the tender.

- b) Please see “**Submission of Tender**”.
 - c) Financial offer.
 - d) OEM certification and authorized dealer certification from the software manufacturer.
03. A conference if required shall be called by the Registrar to negotiate or ascertain the financial offer given by the tenderer in comparison with the sub clauses mentioned above and the tenderer shall be informed well in advance regarding the date, time and venue of the conference.
04. The right to accept or reject any or all the tenders without assigning any reason thereof is reserved with the **Registrar** Dr. Babasaheb Ambedkar Technological University, Lonere.

PAYMENT :

90% payment is to be made on proof of inspection, physical verification, and successful installation of the device by the consignee and remaining 10% will be made after training of the device as per general condition of contract .

TECHNICAL SPECIFICATION

Tender for Supply of Specimens & Models in Engineering Geology Laboratory (A) MINERALOGY

Brief Specifications: Naturally encountered rock and/or mineral specimens to be supplied in approx. finished size 7.5 x 5.0 cm, from the source mentioned along with the name. Substitutes will be considered only with permission. (Qty: 1 no. each)

1. ACTINOLITE, Heggadadevanakote, Karnataka
2. ACTINOLITE, Byrapur, Hassan District, Karnataka
3. AGATE-BLUIISH, Maloli, Pune District, Maharashtra
4. AGATE-WHITISH, Maloli, Pune District, Maharashtra
5. AGATE-MOSS, Aurangabad, Maharashtra
6. AGATE-BANDED, Maharashtra, India
7. AGATE-BROWN, Gurumatkal, Karnataka
8. AGATE-ZEBRA AGATE, Aurangabad, Maharashtra
9. AMETHYST, Chinchwad, Pune District, Maharashtra
10. AMETHYST, Kangayam, Coimbatore District, Tamil Nadu
11. AMETHYST, Hyderabad, Andhra Pradesh
12. ANTHOPHYLLITE, Mangalapura, Karnataka
13. ANDALUSITE, Doddaballapur, Bangalore, District, Karnataka
14. CHIASTOLITE (ANDALUSITE), Bihar, India
15. APATITE, Madurai, Tamil Nadu
16. ARAGONITE, Rayalacheruvu, Andhra Pradesh
17. ASBESTOS-AMPHIBOLE, GREY, Yedegowdanahalli, Hassan District, Karnataka
18. ASBESTOS-AMPHIBOLE, SNOW WHITE, Mandagere, Hassan District, Karnataka
19. ASBESTOS-AMPHIBOLE; COLOUR-YELLOWISH, BROWN Tattakere, Karnataka
20. ASBESTOS-CHRYSOTILE, Cuddapah, Andhra Pradesh,
21. ASBESTOS-CHRYSOTILE, Gopalpur, Mysore District, Karnataka
22. APOPHYLLITE ; WHITE, Ramtekri, Pune District, Maharashtra
23. APOPHYLLITE ; GREENISH, Nanded, Pune District, Maharashtra
24. APOPHYLLITE ; CHALK, COLOURED, Lonavala, Maharashtra
25. APOPHYLLITE-POINTED, CRYSTAL, Maharashtra, India
26. BARYTES, Cuddapah, Andhra Pradesh
27. BARYTES ; REDDISH, Jankal, Karnataka
28. BARYTES ; GREENISH, Jankal, Karnataka
29. BAUXITE-GRANULAR, Shevroy Hills, Salem District, Tamil Nadu
30. BAUXITE ; PISOLITIC, Belgaum, Karnataka
31. BENTONITE, Jaisalmer, Rajasthan
31. BLOODSTONE, Lonavala, Maharashtra
32. CALCITE ; WHITE, Bettadabeedu, Mysore District, Karnataka
33. CALCITE ; TRANSLUCENT, Deccan Traps, India
34. CALCITE ; HONEY YELLOW, Shankari, Salem District, Tamil Nadu
35. CALCITE ; PINK, Shankari, Salem District, Tamil Nadu
36. CALCITE ; BLUIISH, Salem, Tamil Nadu
37. CALCITE ; BLACK, Sankari, Salem, Tamil Nadu
38. CALCITE ; CREAM, Sankari, Salem, Tamil Nadu
39. CALCITE ; DOGTOOTH SPAR, Aurangabad, Maharashtra
40. CHALCOPYRITE, Ingaldal, Karnataka
41. CHLORITE, Tevadahalli, Hassan District, Karnataka
42. CHLORITE, Doddakadanur, Hassan District, Karnataka
43. CHERT, Aurangabad, Maharashtra
44. CHERT, Yanegondi, Karnataka
45. CHERT ; BANDED, Yanegondi, Karnataka
46. CHERT ; MOTTLED, Gurumatkal, Karnataka
47. COAL, Singareni Collieries, Andhra Pradesh
48. CORUNDUM ; BLUIISH, Mandya District, Karnataka
49. CORUNDUM ; PINK ; GRANULAR, Hardur, Hassan District, Karnataka
50. CORUNDUM ; GREY, Kalyadi, Hassan District, Karnataka
51. CORUNDUM ; DARK GREY, Kalyadi, Hassan District, Karnataka
52. CORUNDUM ; WITH INCLUSION OF MAGNETITE, Kyathanahalli, Karnataka
53. CORUNDUM ; DOUBLE TAPERED BARREL CRYSTAL/S, Challakere, Karnataka

54. CORUNDUM ; FLAT BARREL CRYSTAL/S, Kyathanahalli, Mysore District, Karnataka
55. CORUNDUM ; CONES, Bommenahalli, Mysore District, Karnataka
56. CORUNDUM ; PEBBLES Bellundigere, Mandya District, Karnataka
57. CORUNDUM ; STAR CORUNDUM, Kolar, Bangalore District, Karnataka
58. CORUNDUM ; BASAL PLATES, Bommenahalli, Mysore District, Karnataka
- 59 CORUNDUM ; REDDISH Kolar, Bangalore District, Karnataka
60. CORUNDUM ; WHITISH Kalyadi, Hassan District, Karnataka
61. CORUNDUM ; GREENISH CRYSTALS, Gollanabeedu, Mysore District, Karnataka
62. CORUNDUM WITH PSEUDO, CLEAVAGE, Kanakapura, Karnataka
63. CHALCEDONY, Pune, Maharashtra
64. CHALCEDONY ; STALACTITIC, Pune, Maharashtra
65. CORAL LIMESTONE, Rameswaram, Tamil Nadu
66. CORAL-RED 74.
67. CHROMITE Byrapur, Hassan District, Karnataka
68. CHROMITE IN DUNITE Sindhuvalli, Karnataka
69. CHROMITE IN SERPENTINE Byrapur, Hassan District, Karnataka
70. DIOPSIDE SMALL CRYSTALS Karnataka, India
71. DOLOMITE ; GREY, CRYSTALLINE Yedegowdanahalli, Hassan District, Karnataka
72. DOLOMITE IN ASBESTOS, Yedegowdanahalli, Hassan, District, Karnataka
73. EPIDOTE ; CRYSTALS, Jalakandapuram, Tamil Nadu
74. EPIDOTE ; GRANULAR Kamalapur, Hassan District, Karnataka
75. EPIDOTE ; GRANULAR Salem, Tamil Nadu
76. FELDSPAR ; MICROCLINE ; WHITE Taridalu, Karnataka
77. FELDSPAR ; MICROCLINE ; PINK Karur, Tamil Nadu
- 78 FELDSPAR ; ORANGE (ORTHOCLASE), Idapadi, Tamil Nadu
79. FELDSPAR ; PERTHITE, Idapadi, Tamil Nadu
80. FELDSPAR (LABRADORITE), Jalakandapuram, Tamil Nadu
81. FELDSPAR ; LABRADORITE, Salem, Tamil Nadu
82. FELDSPAR ; MICROCLINE ; GREENISH, Gudur, Andhra Pradesh
83. FELDSPAR ; MOONSTONE, Kangayam, Coimbatore District, Tamil Nadu
84. FELDSPAR ; PLAGIOCLASE ; GREY, Mavinahalli, Karnataka
85. FELDSPAR ; PLAGIOCLASE ; WHITE, Mavinahalli, Karnataka
86. BYTONITE-SMALL PIECES, (Set of 4 pieces)
87. FOSSILWOOD, Bihar, India
88. FOSSIL SHALE, Bhandak, Maharashtra
89. FLINT ; BLACK, Yanegondi, Gulbarga District, Karnataka
90. FLINT ; GREY, Yanegondi, Gulbarga District, Karnataka
91. GALENA
92. GARNET ; DODECAHEDRAL CRYSTALS, Gudur, Andhra Pradesh
93. GARNET ; TRAPEZOHEDRAL CRYSTALS, Yenneholeranganabetta, Hassan, Karnataka
- 94 GARNET ; MASSIVE COMPACT Rajasthan, India
95. GARNET SAND ; WASHED BEACH SAND, Travancore, Tamil Nadu
93. GARNET CRYSTAL AGGREGATE, Tevadahalli, Hassan District, Karnataka
94. GARNET CRYSTALS ; DISTORTED Holenarasipur, Karnataka
95. GARNET PEBBLES, Holenarasipur, Karnataka
96. UVAROVITE IN DIOPSIDE, Karnataka, India
- 97 GEDRITE, Salem, Tamil Nadu
98. GRAPHITE, Ankapali, Andhra Pradesh
99. GYPSUM ; SELENITE, Tiruchirapalli, Tamil Nadu
- 100 GYPSUM CRYSTALS ; SELENITE, Bikaner, Rajasthan
- 101 GYPSUM ; SWALLOW-TAIL, TWIN CRYSTALS, Bikaner, Rajasthan
102. GYROLITE, Pune, Maharashtra
103. HAEMATITE, Chitradurga, Karnataka
104. HAEMATITE, Vajra, Karnataka
105. HAEMATITE ; RED OXIDE, Sandur, Karnataka
106. HAEMATITE ; MICACEOUS, IRON ORE (SPECULAR IRON ORE), Sandur, Karnataka
107. HEULANDITE, Lonavala, Maharashtra
108. HYPERSTHENE IN HYPERSTHENE GRANULITE, Raghavendrapura, Mysore, Karnataka
109. HORNBLLENDE ; GREENISH, Sindhuvalli, Hassan District, Karnataka
- 110 HORNBLLENDE ; GREENISH Banavar, Hassan District, Karnataka
111. IOLITE ; CORDIERITE CRYSTALLINE PIECES, Kangayam, Coimbatore, Tamil Nadu
112. JASPER ; BANDED, Sandur, Karnataka
113. HAEMATITE JASPER ; BANDED, Sandur, Karnataka
- 114 BANDED HAEMATITE, JASPER ; PEBBLES, Sandur, Karnataka
- 115 JASPER ; YELLOWISH, Gurumatkal, Karnataka

116. AGATE ; JASPER, Aurangabad, Maharashtra
117. HORNSTONE, Aurangabad, Maharashtra
118. KYANITE ; BLADED BLUE, Yennehleranganabetta, Hassan, District, Karnataka
119. KYANITE ; BLADED GREY, Doddakadanur, Hassan District, Karnataka
120. KYANITE ; MASSIVE, Hardur, Hassan District, Karnataka
121. KYANITE ; MASSIVE, Malavanaghatta, Hassan, District, Karnataka
122. KYANITE ; MASSIVE, Kothagnl, Mysore District, Karnataka
123. KAOLIN ; WASHED, Bigeshpura, Hassan District, Karnataka
124. LIGNITE, Neyveli, South Arcot, Tamil Nadu
125. LIMONITE Chitradurga, Karnataka
126. LIMONITE ; RADIATING OR FIBROUS, Doddakittadahalli, Chitradurga, Karnataka
127. LIMONITE ; NODULAR (BOG IRON ORE), Tiruchirapalli, Tamil Nadu
128. LIME ; KANKAR, Narasambudi, Mysore, Karnataka
129. MANGANESE ORE, PYROLUSITE, Sandur, Karnataka
130. MANGANESE ORE, PSILOMELANE, Sandur, Karnataka
131. MAGNETITE, Maratikyathanahalli, Karnataka
132. MAGNETITE CRYSTALS, Doddakadanur, Karnataka
133. MAGNETITE ; LODESTONE, Bababudan Hills, Karnataka
134. MAGNETITE SAND, Vellore, Tamil Nadu
135. MAGNESITE, Doddakanya, South India
136. MICA ; MUSCOVITE, Gudur, Andhra Pradesh
137. MICA ; BIOTITE, Gudur, Andhra Pradesh
138. MICA ; PHLOGOPITE, Byrapur, Hassan District, Karnataka
139. MICA MUSCOVITE WITH DENDRITIC MARKINGS, Gudur, Andhra Pradesh
140. MOUNTAIN WOODTevadahalli, Karnataka
141. MOUNTAIN LEATHER, Mangalapur, Karnataka
142. NATROLITE, Nasik, Maharashtra
143. NEPHELENE, Aswaraopet, Andhra Pradesh
144. OPAL, Malavanghatta, Hassan District, Karnataka
145. OLIVINE, Sindhuvalli, Mysore District, Karnataka
146. OLIVINE, Salem, Tamil Nadu
147. OPICALCITE, Rayalacheruvu, Andhra Pradesh
148. OPICALCITE, Pulivendla, Andhra Pradesh
149. PHOSPHATIC NODULES, Ariyalur, Tamil Nadu
150. PYRITES ; CRYSTALS Cuddapah, Andhra Pradesh
151. PYRITES ; MASSIVE Ingaldal, Chitradurga District, Karnataka
152. QUARTZ ; WHITE ; VEIN Kengeri, Bangalore District, Karnataka
153. QUARTZ ; MILKY Mysore, Karnataka
154. QUARTZ ; GREY Bommenahalli, Mysore District, Karnataka
155. QUARTZ ; BLUISH GREY Mangalapur, Hassan District, Karnataka
156. QUARTZ ; ROSY Dindigul, Salem District, Tamil Nadu
157. QUARTZ ; ORANGE, (AVENTURINE), Bukkapatna, Tumkur District, Karnataka
158. QUARTZ ; TRANSPARENT, Kangayam, Coimbatore District, Tamil Nadu
159. QUARTZ ; TRANSPARENT ; PEBBLES, Kangayam, Coimbatore District, Tamil Nadu
160. QUARTZ ; TRANSLUCENT, Karur, Tamil Nadu
161. QUARTZ ; DRUSY Ramtekri, Pune District, Maharashtra
162. QUARTZ ; ROCK CRYSTAL Kangayam, Coimbatore District, Tamil Nadu
163. ROCK CRYSTAL ; FLATTENED Tiruchirapalli, Tamil Nadu
164. ROCK CRYSTAL WITH OPAQUE COATING, Pavagada, Tumkur District, Karnataka
165. QUARTZ WITH INCLUSIONS OF MAGNETITE, Mysore, Karnataka
166. QUARTZ WITH INCLUSIONS, OF ACTINOLITE, Kangayam, Coimbatore, Tamil Nadu
167. QUARTZ CRYSTAL, AGGREGATE, Tamil Nadu, India
168. QUARTZ ; REDDISH, Salem, Tamil Nadu
169. QUARTZ ; SMOKEY Kangayam, Coimbatore District, Tamil Nadu
170. SCEPTRE QUARTZ Karur, Tamil Nadu
171. RED OCHRE, Karnataka
172. ROCKSALT, Punjab, India
173. QUARTZ ; GREEN, AVENTURINE (FUCHSITE QUARTZITE), Jankal, Karnataka
174. QUARTZ ; BLUE AVENTURINE Rajasthan, India
175. SILLIMANITE, Kamasamudra, Kolar, Karnataka
176. STAUROLITE, Yennehleranganabetta, Hassan, District, Karnataka
177. STEATITE ; DARK GREY Doddenahalli, Hassan District, Karnataka
178. STEATITE ; GREENISH, YELLOW Pamadi, Andhra Pradesh
179. SERPENTINE, Byrapur, Hassan District, Karnataka
180. SERPENTINE ; BANDED Byrapur, Hassan District, Karnataka

181. SERPENTINE ; FIBROUS Byrapur, Hassan District, Karnataka
182. SILECIOUS SINTER, Salem, Tamil Nadu
183. STILBITE, Kohima Lines, Near Pune, Maharashtra
184. STILBITE ; WHITE Lonavala, Maharashtra
185. STILBITE ; PINKISH, Panvel, Maharashtra
186. STILBITE ; CHALK, COLOURED, Lonavala, Maharashtra
187. STILBITE ; AOPHYLLITE, Ramtekri, Pune District, Maharashtra
188. SULPHUR,
189. TALC ; GREENISH ; FLAKY, Tevadahalli, Hassan District, Karnataka
190. TALC ; CREAM, Rajasthan, India,
191. TREMOLITE, Yedegowdanahalli, Hassan, District, Karnataka
192. TOURMALINE, Gudur, Andhra Pradesh
193. VARIEGATED CLAY ; LITHOMARGE, Bheemasandra, Chitradurga, District, Karnataka
194. VERMICULITE, Heggadadevanakote, Karnataka,
195. VERMICULITE, Malavanaghatta, Hassan, District, Karnataka
196. VERMICULITE ; EXFOLIATED
197. WOLLASTONITE, Udaipur, Rajasthan
198. WAVELLITE, Nagpur, Maharashtra
199. YELLOW OCHRE, Guntur, Andhra Pradesh
200. ZEOLITE, Lonavala, Maharashtra
201. ZIRCON ; SMALL CRYSTALS,
202. CORUNDUM – RUBY, KARNATAKA

(B) PETROLOGY

Brief Specifications:

Specimens to be supplied in approx. finished size 10.0 x 7.5 x 2 to 2.5 cm., from the source mentioned along with the name. Substitutes will be considered only with permission. (Qty: 1 no. each)

1. GRANITE GREY ; Fine Grained, Bangalore, Karnataka
2. GRANITE ; Grey ; Coarse Grained, Mallasandra, Bangalore District, Karnataka
3. GRANITE ; Grey ; Fine Grained, Sira, Karnataka
4. GRANITE ; Grey, Chintamani, Karnataka
5. GRANITE ; Grey, Hessarghatta, Bangalore District,
6. LIGHT PINK GRANITE ; Fine Grained Chamundi Hills, Mysore, Karnataka
7. LIGHT PINK GRANITE ; Coarse Grained Chamundi Hills, Mysore, Karnataka
8. LIGHT PINK GRANITE ; Coarse Grained Chippagiri, Andhra Pradesh
9. PINK GRANITE ; Fine Grained Chamundi Hills, Mysore, Karnataka
10. PINK GRANITE ; Coarse Grained Chamundi Hills, Mysore, Karnataka
11. PINK GRANITE ; Coarse Grained Ilkal, Karnataka
12. GRANITE ; Chocolate Coloured Bellary, Karnataka
13. GRANITE with Homblende Kamatakla
14. GRANITE ; Pink Bellary, Karnataka
15. UNAKITE, Chittoor, Andhra Pradesh
16. MICRO GRANITE, Aplite Guthi, Andhra Pradesh
17. GRANITE PORPHYRY with Phenocrysts of Light Pink Feldspar, Chamundi Hills, Mysore
18. GRANITE PORPHYRY with Phenocrysts of Pink Feldspar, Raichur, Karnataka
19. GRANITE PORPHYRY with Phenocrysts of Light Pink Feldspar Savanadurga, Karnataka
20. GRANITE PORPHYRY with Light Pink Feldspar Dobbespert, Bangalore
21. GRANITE PORPHYRY, Ramanagaram, Bangalore District, Karnataka
22. GRANITE PORPHYRY, Thyamagondalu, Bangalore, District, Karnataka
23. GRANITE PORPHYRY ; Pink Savanadurga, Karnataka
24. GRANITE PORPHYRY ; Pink Nijagal, Tumkur District, Karnataka
25. GRANITE PORPHYRY with Phenocrysts of Light Pink Feldspar, with Epidote, T. Narasipur
26. GRANITE OF PORPHYRY with Epidote Pavagada, Karnataka
27. PEGMATITE ; White Tharidalu, Kolar District,
28. PENCIL PEGMATITE, Tharidalu, Kolar District, Karnataka
29. PEGMATITE ; Pink Karur, Tamil Nadu,
30. PENCIL PEGMATITE ; Pink Karur, Tamil Nadu,
31. PEGMATITE with Sunstone Kangayam, Tamil Nadu
32. PEGMATITE with Green Feldspar, Gudur, Andhra Pradesh

33. ORTHOCLASE PEGMATITE, Shivanmalai Hills, South India
34. GRAPHIC GRANITE ; White Tharidalu, Bangalore District, Karnataka
35. GRAPHIC GRANITE ; Pink Karur, Tamil Nadu
36. SCHROL ROCK, Gudur, Andhra Pradesh
37. GRANO DIORITE, Karithimmanahalli, Bangalore, District, Karnataka
38. GABBRO, Maddur, Karnataka
39. GABBRO ; Greenish Hassan, Karnataka
40. EPIDIORITE, Kamalapur, Hassan District, Karnataka
41. SYENITE PORPHYRY, Kodiyala, Mandya District, Karnataka
42. SYENITE PORPHYRY ; Mottled Kodiyala, Mandya District, Karnataka
43. DIORITE PORPHYRY with Hornblende ; Light Pink Matrix Chindarigoppal, Mandya
44. DIORITE PORPHYRY with Hornblende and Epidote ; Chocolate Matrix, Karighatta Hills, Mandya District, Karnataka
45. DIORITE PORPHYRY ; Mottled Pinkish Peehalli, Mandya District, Karnataka
46. DIORITE PORPHYRY with Hornblende and Epidote and with Pink Feldspar Phenocrysts Showing Zoning Kirangur, Mandya District, Karnataka
47. DIORITE PORPHYRY with Phenocrysts of White Feldspar in a Greenish Matrix Hangarahalli, Mandya District, Karnataka
48. DIORITE PORPHYRY with a Chocolate Matrix and with Twinned Phenocrysts Kanakapura, Bangalore District, Karnataka
49. DOLERITE, Bellary, Karnataka
50. DOLERITE, Dharmapuri, Tamil Nadu
51. DOLERITE, Kanakapura, Karnataka
52. DOLERITE, Kollegal, Karnataka
53. DOLERITE, Chamarajanagar, Karnataka
54. DOLERITE, Kunham, Tamil Nadu
55. DOLERITE PORPHYRY ; Coarse Matrix ; with White Feldspar Phenocrysts without efined Border Manne, Tumkur District, Karnataka
56. LAMPROPHYRE, Anandur, Mandya District, Karnataka
57. AMPHIBOLITE, Kamalapur, Hassan District, Karnataka
58. HORNBLENDITE, Mittimeri, Kolar District, Karnataka
59. DUNITE, Sindhuvali, Karnataka
60. DUNITE ; Granular, Salem, Tamil Nadu
61. DUNITE ; Bluish, Salem, Tamil Nadu
62. CHLORITE SCHIST, Doddakadanur, Hassan District, Karnataka
63. CHLORITE SCHIST, Mangalapur, Hassan District, Karnataka
64. CHLORITE SCHIST with Magnetite Doddakadanur, Hassan District, Karnataka
65. CHLORITE SCHIST with Magnetite Mangalapur, Hassan District, Karnataka
66. GNEISS, Bettahalli, Bangalore District, Karnataka
67. BANDED BIOTITE GNEISS, Hoodi, Bangalore District, Karnataka
68. BANDED GNEISS ; Pinkish Kanakapura, Karnataka
69. HORNBLENDE GNEISS, Chittoor, Andhra Pradesh,
70. AUGEN GNEISS, Jayanagar, Bangalore, Karnataka
71. AUGEN GNEISS ; Pinkish Karnataka
72. HORNBLENDE GRANULITE, Yenneholeranganabetta, Hassan, District, Karnataka
73. HYPERSTHENE GRANULITE, Raghavendrapura, Karnataka,
74. HIGH CALCIUM LIMESTONE, Madadkere, Chitradurga District, Karnataka
75. KANKARY LIMESTONE, Narasambudi, Mysore District, Karnataka
76. NORITE, Ongole, Andhra Pradesh,
77. BRONZITE PERIDOTITE, Maratikyathanahalli, Mysore, District, Karnataka
78. FELSITE ; Grey Anandur, Mysore District, Karnataka
79. FELSITE ; Greenish Compact Megaravalli, Mysore District, Karnataka
80. FELSITE PORPHYRY with Phenocrysts of Bright Pink Feldspar Anandur, Mysore
81. FELSITE PORPHYRY with Phenocrysts of Dull Feldspar and Quartz Anandur, Mysore
82. FELSITE ; Light Pink Anandur, Mysore District, Karnataka
83. FELSITE PORPHYRY with Phenocrysts of Bright Pink Feldspar in Pink Felsitic Matrix Megaravalli, Mysore District, Karnataka
84. SLATE, Cuddapah, Andhra Pradesh
85. SLATE, Markapur, Andhra Pradesh
86. MICA SCHIST with Staurolite, Mangalapur, Hassan District, Karnataka
87. MICA SCHIST with Corundum Holenarasipura, Hassan District, Karnataka
88. KYANITE SCHIST Heggadadevanakote, Karnataka
89. TREMOLITE ACTINOLITE SCHIST, Bellundigere, Mandya Dist., Karnataka
90. QUARTZ KYANITE ROCK, Mangalapur, Hassan Dist., Karnataka
91. BIOTITE SCHIST, Krishnaraja Sagar, Mysore District, Karnataka

92. BIOTITE SCHIST with Garnet Gudur, Andhra Pradesh
93. GREY CORUNDUM ROCK, Bommenahalli, Mysore District, Karnataka
94. CORUNDUM BEARING, PEGMATITE, Kalyadi, Hassan District, Karnataka
95. CORUNDUM BEARING, PEGMATITE with Tourmaline Kalyadi, Hassan
96. CORUNDUM KYANITE ROCK Hardur, Hassan District, Karnataka
97. QUARTZITE ; Metamorphic Tevadahalli, Hassan District, Karnataka
98. QUARTZITE with Muscovite Belavadi, Chikmagalur District, Karnataka
99. FUCHSITE QUARTZITE, Hosadurga, Karnataka,
100. GARNETIFEROUS QUARTZITE, Mysore District, Karnataka
101. HAEMATITE QUARTZITE, Bababudan Hills, Karnataka
102. HAEMATITE QUARTZITE, Bellary, Karnataka
103. HAEMATITE JASPER, QUARTZITE, Sandur, Karnataka
104. MAGNETITE QUARTZITE , Kuduremukh, Karnataka
105. MAGNETITE HAEMATITE, QUARTZITE, Kuduremukh, Karnataka
106. ALTERED ULTRA BASIC ROCK , Doddenahalli, Hassan District, Karnataka
107. ALTERED ULTRA BASIC ROCK, with Actinolite Honnavalli, Karnataka
108. SERPENTINE ; Greenish Byrapur, Hassan District, Karnataka
109. SERPENTINE ; Banded Byrapur, Hassan District, Karnataka
110. SERPENTINE ; Brown Byrapur, Hassan District, Karnataka
111. SERPENTINE MARBLE ;Ophicalcite Rayalacheruvu, Andhra Pradesh
112. SANDSTONE ; Red Cuddalur, Tamil Nadu,
113. SANDSTONE ; Coarse Barley Mudhol, Karnataka
114. MICACEOUS SANDSTONE Tirumalai Hills, Andhra Pradesh
115. MARL, Nittoor, Andhra Pradesh
116. GRIT, Mudhol, Karnataka
117. CONGLOMERATE, Cuddapah, Andhra Pradesh
118. CONGLOMERATE, Saundatti, Karnataka
119. QUARTZITE, Cudappah, Andhra Pradesh
120. SHALE ; Brown Ahobilam, Andhra Pradesh
121. CALCAREOUS SHALE, Macherla, Andhra Pradesh
122. SHALE ; Fossiliferous Bhandak, Maharashtra
123. SHALE ; Variegated Bhandak, Maharashtra
124. LIMESTONE ; Sedimentary Konarameswar, Andhra Pradesh
125. LIMESTONE ; Stalactitic Konarameswar, Andhra Pradesh
126. LIMESTONE, Kumool, Andhra Pradesh
127. SHELL LIMESTONE, Kutch, Gujarat
128. SHELL LIMESTONE, Jaisalmer, Rajasthan
129. LIMESTONE ; Light Pink, Bagalkote, Karnataka
130. LIMESTONE ; Greenish, Bagalkote, Karnataka
131. LIMESTONE ; Bluish Grey, Shahbad, Karnataka
132. LIMESTONE ; Black, Parvatabad, Karnataka
133. ANDALUSITE SCHIST, Dodballapur, Bangalore District, Karnataka
134. SERICITE SCHIST, Banasandra, Tumkur District, Karnataka
135. QUARTZ SERICITE SCHIST, Mandya District, Karnataka
136. CHARNOCKITE ; Coarse Pallavaram, Chennai, Tamil Nadu
137. CHARNOCKITE ; Fine Pallavaram, Chennai, Tamil Nadu
138. CHARNOCKITE with Garnet
Pallavaram, Chennai, Tamil Nadu
139. CHARNOCKITE ; AcidPallavaram, Chennai, Tamil Nadu
140. CHARNOCKITE Rajapalyam, Coimbatore District, Tamil Nadu
141. CHARNOCKITE, Orissa
142. CHARNOCKITE, Sreeperumbadur, Tamil Nadu
143. CHARNOCKITE, Shivanasamudram, Karnataka
144. CHARNOCKITE, Kerala
145. CHARNOCKITE, Srikakulam, Andhra Pradesh
146. CHARNOCKITE GNEISS, Karur, Tamil Nadu
147. LATERITE, Western Ghats, Karnataka
148. LATERITE, Bangalore, Karnataka
149. TRAP, Gulbarga, Karnataka
150. BASALT ; Fine Grained ; Grey Pune, Maharashtra
151. BASALT ; Fine Grained ; Greenis, Mumbai, Maharashtra
152. BASALT ; Fine Grained ; Buff Andheri, Maharashtra
153. BASALT ; Black Nagpur, Maharashtra
154. BASALT with Zeolites, Pashan, Pune, Maharashtra
155. AMYGDALOIDAL BASALT ; Blackish Grey Pashan, Pune, Maharashtra

156. AMYGDALOIDAL BASALT ; Buff Lonavala, Maharashtra
157. BASALT with Pipe Amygdales Pashan, Pune, Maharashtra
158. BASALT VESICULAR Nasik, Maharashtra
159. BASALT VESICULAR Lonavala, Maharashtra
160. PORPHYRITIC BASALT Ganeshpuri, Maharashtra
161. TRACHYTE Malad, Maharashtra
162. SANDSTONE Jodhpur, Rajasthan
163. SANDSTONE ; Red Alwar, Rajasthan
164. SANDSTONE ; Striped Alwar, Rajasthan
165. SANDSTONE ; Cream Coloured Jodhpur, Rajasthan
166. SILICEOUS FLAGSTONE ; Grey Kota, Rajasthan
167. ANORTHOSITE Maratikyathanahalli, Karnataka
168. SYENITE Jdapadi Tamilnadu
169. NEPHELINE SYENITE Elchur, Andhra Pradesh
170. MARBLE ; White Mottled Makrana, Rajasthan
171. MARBLE ; Pink Makrana, Rajasthan
172. MARBLE ; Black Striped Makrana, Rajasthan
173. MARBLE ; White ; Dolomitic Jabalpur, India
174. HAEMATITE JASPER QUARTZITE Sandur, Karnataka
175. TALC MICA SCHIST with Kyanite Malavanaghatta, Karnataka
176. TALC SCHIST Karnataka, India
177. PHYLLITE Ranebennur, Karnataka
178. PHYLLITE Udaipur, Rajasthan
179. DOLORITE ; Showing Weathering Doddaballapur, Karnataka
180. GRANITE ; Showing Weathering Bangalore, Karnataka
181. FELSITE PORPHYRY ; Showing Weathering Megaravalli, Mysore District, Karnataka
182. SYENITE PORPHYRY ; Showing Weathering Kodiyala, Mandya District, Karnataka
183. ULTRA BASIC ROCK ; Showing Weathering Mysore, Karnataka
184. LIMESTONE ; Showing Weathering Bangalore, Karnataka
185. SERPENTINE ; Showing Weathering Holenarasipura, Karnataka
186. GRANITE with Felsite Vein Chamundi Hills, Mysore, Karnataka
187. ANARTHOSITE with Labradorite Jalakandapuram, Tamil Nadu
188. GNEISS with Pegmatite Vein ,Bettahalasoor, Bangalore District, Karnataka
189. SILLIMANITE CORDIERITE, GNEISS with Garnet Ramohalli, Bangalore, Karnataka
190. CALCAREOUS SANDSTONE, Porbunder, Gujarat
191. SYNENITE GNEISS, Madurai District, Tamil Nadu
192. SYNENITE PORPHYRY ; Grey Ongole, Andhra Pradesh
193. SANDSTONE SPOTTED, Fathepur, Sikri
194. CONTORTED PINK GNEISS, Kanakapura, Karnataka
195. SANDSTONE CALCAREOUS, Gokak, Karnataka
196. ANARTHOSITE, Ongole, Andhra Pradesh
197. SYNENITE GNEISS with Nepheline, Elchur, Andhra Pradesh
198. LIGHT PINK GRANITE, Gudibande, Karnataka
199. DOLERITE, Khammam, Andhra Pradesh
200. DOLERITE, Kollegal, Karnataka
201. LEPTINITE, Madurai District, Tamil Nadu
202. Granite Porphyry, Hyderabad Dist. Karnataka

D) PHYSICAL MINERALOGY

Collection of minerals demonstrating physical properties of minerals such as hardness luster, cleavage, fracture, tenacity, specific gravity, streak, odor, magnetism & electricity, transparency & double refraction, habit form & structure, color & luster, crystalline aggregates etc. (Qty: 1 no. each)

1. Hardness Collection: Moh's Scale of Hardness: (Set of 9 Minerals)
2. Luster Collection (Set of 10 Minerals)
3. Cleavage Collection (Set of 10 Minerals)
4. Fracture Collection (Set of 6 Minerals)
5. Tenacity Collection (Set of 4 Minerals)
6. Specific Gravity Collection (Set of 10 Minerals)
7. Streak Collection (Set of 10 Minerals)
8. Odor Collection (Set of 10 Minerals)

9. Feel Properties (Set of 10 Minerals)
10. Magnetism & Electricity Collection (Set of 10 Minerals)
11. Transparency & Double Refraction (Set of 25 Minerals)
11. Habit Collection (Set of 40 Minerals)
12. Form & Structure Collection: (Set of 50 Minerals)
13. Color & Luster Collection (Set of 60 Minerals)
14. Crystalline Aggregate (Set of 30 Minerals)

E) Structural Geology

Brief Specifications:

Structural Geology Models- made out of MDF or similar Board. Models shall be in hollow form. Constituent boards shall be treated for avoiding termite or similar insect attack. Geological features shall be enamel painted with guaranteed durability. Generally expected sizes are as specified with title. **(Qty: 1 no. each)**

Models for STRIKE, DIP, PITCH AND ESCARPMENT

1. Model showing Dip, Strike and Escarpment in Inclined strata. (20 x 20 x 7.5 cm)
2. Model showing True and Apparent Dip in inclined Strata. (20 x 20 x 7.5 cm)
3. Model showing Strike & Dip in folded Strata (Anticline and Syncline) Size: 22 x 18 x 11 cms
4. Model showing Strike, Dip and Pitch (plunge) in Folded Strata. (22 x 18 x 11 cm)

Models for FOLDS

5. Symmetrical Anticline /Syncline (15 x 15 x 11 cm)
6. Asymmetrical Anticline/Syncline (15 x 15 x 11 cm)
7. Pitching Anticline/Syncline (15 x 15 x 11 cm)
8. Monoclinial fold (15 x 15 x 11 cm)
9. Isoclinal Anticline and syncline (22 x 11 x 10 cm)
10. Recumbent Fold (22 x 18 x 11 cm)
11. Fan Fold (22 x 18 x 11 cm)
12. Dome Fold (22 x 18 x 11 cm)
13. Basin Fold (22 x 18 x 11 cm)
14. Complex fold (22 x 18 x 11 cm)
15. Anticlinoria/Synclinoria (22 x 18 x 11 cm)

FAULT MODELS (Approximate size: 22 x 10 x 10 cm)

16. Model of Normal fault
17. Model of reverse fault
18. Model of Ridge and Trough fault
19. Model of step fault

FAULT MODELS (Approximate size: 15 x 15 x 10 cm)

20. Strike fault in inclined beds
21. Dip fault in inclined strata
22. Fault across a Syncline or anticline
23. Fault across a pitching Anticline or Syncline
24. Rotational fault
25. Dip fault in folded strata across a syncline or anticline
26. Dip fault in folded strata across a pitching Syncline or Anticline

MODELS for UNCONFIRMITY: (Approximate size: 22 x 11 x 10)

27. At least six models (Qty valid only for this item) demonstrating different types of unconformity.

MODELS FOR ENGINEERING & MINING GEOLOGY:

(Approximate size: 22 x 18 x 11 cm)

- 28. Tunnel in horizontal beds
- 29. Tunnel in vertical beds at right angles to strike
- 30. Tunnel in inclined beds at right angles to strike
- 31. Tunnel in inclined beds along the strike
- 32. Tunnel across an anticline
- 33. Tunnel across a Syncline

MODELS For DIFFERENT FORMS OF IGNEOUS ROCK BODIES

- 34. Model of a batholith showing apophyses and Roof pendent
- 35. Model of Lacolith and Dome Mountain
- 36. Model of stock and Boss
- 37. Model of Lopolith
- 38. Model of Phacolith
- 39. Model of Chonolith
- 40. Model of sill (Simple & Composite)&Apophyses
- 41. Model of a Dyke and Chilled contacts
- 42. Model of a Intersecting Dyke
- 43. Model of a Branching Dyke
- 44. Model of an interformational Laccolith
- 45. Model of an interformational sheet
- 46. Model of Dyke Swarms

F) Streak Plate: 15 pieces shall be supplied in a suitable plastic case for each piece.

Specimen Tray: **30 no.s** Good quality transparent fiber plastic trays of size suitable to handle the specimen

Terms and Conditions

All specimens and models shall be supplied with name plate. Name plate shall be in “Z” form made out of transparent fibre glass. Titles printed in 50 point Arial font black colour on thick paper shall be inserted in face plate. Cost of specimen and models shall include this provision.

SCHEDULE B

Sr. No.	Name of the equipment/supplies	Qty.	Rate	Remarks
01	List of Items as per specifications mentioned above	Mentioned as above		

Seal & Sign of Supplier

NOTE :

01. The Rates quoted must be in accordance with detailed technical specification.
02. The rates quoted are inclusive of all taxes, packing and forwarding charges freight charges etc.

