



# INSTITUTE OF TECHNOLOGY, KORBA (C.G.)

BALCO - URGARING ROAD, VILL- JHAGARHA,  
POST - RISDI, KORBA, DISTRICT- KORBA (C.G.)  
PHONE NO. 098939-05053, 094241-44099, 99814-43708  
E-mail: [korbait@rediffmail.com](mailto:korbait@rediffmail.com), Website: [www.itkorba.com](http://www.itkorba.com)

Tender No. ITK/ Pur/2016/1960....

Korba, Dated: 24/09/2016


## NOTICE INVITING TENDER


Institute of Technology, Korba, Chhattisgarh invites sealed tender from eligible bidders (Manufactures, or their authorized dealers) for procurement of Laboratory Equipments, Materials, Library Books, Services i.e 1.Civil Engg Lab Equipments 2.Civil Maintenance Work 3. EEE Lab Equipments 4. Electrical Maintenance Work 5.Computer Lab Equipments/ Software 6.Mechanical Lab Equipments 7. Science & Humanities Lab (Physics & Chemistry) 8.Library Books 9.Hostel Related Materials & Utensils 10. Canteen of I.T. Korba (C.G.)

The tender form (Complete set of bidding documents including details of item with quantity for purchase) is available on the website [www.itkorba.com](http://www.itkorba.com) from...24/9/16..

A complete set of bidding documents may be purchased by any interested eligible bidder.

The sealed tender should reach Office of the Principal, Institute of Technology, Korba, Balco-Urga Ring Road, Village-Jhagarha, Post-Risdi, Korba, District-Korba (C.G.) 495683 on or before 25/10/2016 by 17.00 hours and will be opened on 26/10/2016 at 12.00 hours. Any bid received after the deadline for submission of bids as prescribed above will be rejected and returned to the bidder. The undersigned has all the rights pertaining to the tender. For any information please contact the I.T. Korba (C.G.).

  
Principal  
Institute of Technology  
Korba (C.G.)





# INSTITUTE OF TECHNOLOGY, KORBA (C.G.)

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E-mail: [korbait@rediffmail.com](mailto:korbait@rediffmail.com), Website: [www.itkorba.com](http://www.itkorba.com)

Tender No. ITK/PUR/ PUR/2016/1960

Korba, Dated: 24/09/2016

Last date of selling tender document: 25/10/2016 at 15:00 hrs  
Last date of submission of sealed tender document: 25/10/2016 at 17:00 hrs  
Date of opening of technical bid of tender document: 26/10/2016 at 12:00 hrs  
Tender Document Fee (for each Department/Category) Rs.1,000.00

## TERMS & CONDITION OF THE TENDER

Tender documents/Qualification requirements should be submitted in Main envelope as give below:

### Tender details:-

1. The tender contains 11 categories/departments i.e 1.Civil Engg Lab Equipments 2.Civil Maintenance Work 3. EEE Lab Equipments 4. Electrical Maintenance Work 5.Computer Lab Equipments/ Software 6.Mechanical Lab Equipments 7. Science & Humanities Lab(Physics, Chemistry) 8.Library Books 9.Hostel Related Materials & Utensils 10. Canteen.

Sr .No	Category/ Department	Approx Cost(Rs) in lakh	Remark
1	Civil Engg Lab Equipments	69.0	Separate tender document fee and separate EMD department wise to be submitted along with the tender document
2	Civil Maintenance Work	6.5	
3	EEE Lab Equipments	44.54	
4	Electrical Maintenance Work	2.0	
5	Computer Lab Equipments/ Software	68.0	
6	Mechanical Lab Equipments	40.0	
7	Science & Humanities Lab	0.3505	
8	Library Books	15.0	
9	Hostel Related Materials & Utensils	3.06	
10	Canteen	----	

If the bidder is interested to apply for more than one category/department then they must apply for each and every category separately i.e they should submit separate tender cost, emd amount, tender bid form etc for each and every category. In case if the firm has quoted for more than one department/section but submitted only one tender fee then the specifications submitted for the first department/section will be considered and the remaining specifications will be ignored Each part of the tender contains two stage bidding: Technical and Commercial bids.

2. In addition to the terms & conditions mentioned below, there are special terms & conditions applied for the category of Library Books & Services.

### Tender Document Procurement:-

3. Tender document can be obtained by the prospective tenderer on payment of Rs.1000/- (Rs. One thousand only) through demand draft only in favour of "Principal Institute of Technology, Korba" payable at Korba in person from the college or can be downloaded from our website [www.itkorba.com](http://www.itkorba.com). The DD of Rs.1000/- (Rs. One thousand only) or copy of receipt through e-payment as tender document fee must be submitted with downloaded tender document. The Tender

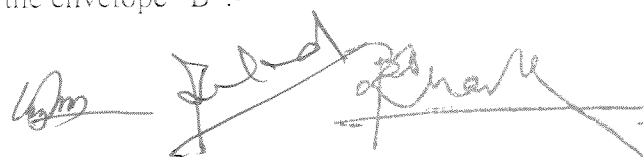
J. A. G. K.

form is non transferable. Any department laboratory items/software/material etc may be quoted only by those firms who have registered TIN in that particular area for sale.

**Tender Submission details:-**

4. Tender documents should be submitted separately for technical bidding (only the technical specification) and commercial bidding .The sealed tender should be clearly marked as technical bid and commercial bid on the top of the envelope. for each category/department of the tender. The envelope should be marked with the category/department number for which it meant.
5. Tender should be submitted in Duplicate. They should be tagged separately and marked as original and duplicate. Complete tender document must be duly signed, stamped, paged & indexed by the bidder. Unsigned or unpagged bids shall be straightway rejected.
6. Tender document will be prepared in following manner-
  - a. Main envelop "A"- Contains following two envelops "B" & "C".
  - b. Technical Bid envelop "B"- Contains Technical Bid with hard and soft copy (CD). Annexure I. Following should be kept in envelope "B" along with all mentioned documents as per clause 7 of this tender document.
    - I. Technical Bid (Annexure I) with catalogue and brochure.
    - II. Firm registration TAN/PAN/TIN/Turn Over and experience
    - III. Income Tax Clearance  
Sales Tax Clearance  
CST/VAT Clearance
    - IV Tender Document Fee Receipt/DD/Proof of e-payment
    - V EMD/DD
    - VI Form A(Annexure III A) and Section XII(Annexure-IV) as per Tender Document
  - c. Financial bid "C"- Contains financial bid for the tender with hard and soft copy(CD). Annexure II.
  - d. On the top of each envelope of Commercial bid, bidder should clearly mention Tender No., Due Date, Category/department, and Item Name with seal & sign of bidder.
  - e. Item no. and page no. of the tender form should be arranged strictly in chronological order.
  - f. There should be no alternations/corrections made in the quoted rates. Rates should always be in figures and words.
  - g. Tender should be valid for at least twelve months from the date of opening the commercial bid of the tender. The price should be firm without variations of any kind.
  - h. Bidders should compulsorily quote the minimum delivery period required for the supply of items if the tender is awarded.
7. Following documents should be kept inside the envelope "B":-





- a. Covering letter for submission of bid which should indicate- Index for all the submitted documents for the tender all particulars of bidders via address, phone no., e-mail, name of the authorized person(s), TIN/TAN/ Service Tax No. etc. for correspondence. Category/department, Item & Name for which bid is submitted, etc.
  - b. Completely filled Form - "A" with signature & seal of authorized person which includes Earnest Money/ Bid security details - @ 5% of total tendered value. Tender received without form "A" duly signed (As token of acceptance of tender conditions by the tenderer) will not be accepted (Annexure-III a).
  - c. The contents of the form "A" should not be changed or amended otherwise will not be acceptable by this office.
  - d. Demand Draft/ copy of e-Pay Receipt for earnest money/ bid security. Bank Guarantee will not be accepted against EMD amount in any condition.
  - e. Valid certificates related to TIN / TAN / Service Tax No. etc. issued by competent Govt. authority pertaining to tender.
  - f. Undertaking for "After Sales Services" on the letter head of bidder.
  - g. Affidavit in prescribed format as given in Annexure-V on non judicial stamp paper of Rs. 50/- certified by Notary.
  - h. Manufacturer's Company Profile showing its product range, turn over, web-address and certifications like ISO/ ISI etc. along with the documentary proof of such certificates if company/ products bear such certificate.
  - i. All relevant particulars, illustrative catalogue/ brochures etc. which should indicate the products technical specifications for all packages which is submitted in the bid.
  - j. Filled Manufacturer's Authorization Form as given in SECTION XII (Annexure-IV) for all the quoted items.
  - k. The bidder should submit the Manufacturer's Make/ Brand name being used for marketing and registration no. of Commercial Tax Department.
  - l. Category/department, Item wise Commercial Bid in prescribed format (i.e. Annexure-II) should be submitted (Separately for each item) in individual envelope along with the soft copy in CD (MS- Excel).
8. The fact that the tenderer has signed the form "A" will mean that the tenderer has completely accepted Terms & Conditions of the tender and that the tenderer agrees to abide by these Terms & Conditions of the tender. No deviation from

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*[Handwritten signatures and marks]*

Terms & Conditions of the tender will be accepted under any circumstances. The Terms & Conditions of the tender and clause usually printed on the party's tenders or bills will not be binding on this department.

#### Tender opening details:-

9. Complete Tender Documents will be opened on the prescribed date and time in the presence of Purchase Committee/ related department members and Bidders (who choose to attend) / representatives who choose to attend. The Bidders / representatives willing to attend the bid opening event should submit authorization to attend and shall sign in a register evidencing their attendance.
10. Commercial bid opening dates will be finalized after opening of technical bids and shall be informed to the technically qualified tenderers separately.
11. Commercial bids of those tenders, which are found technically suitable, will only be opened and considered for the items technically approved.

#### EMD Details:-

12. The bid should be accompanied by Earnest Money/ bid security @ 5% of total tendered value (for all quoted materials/ services) as part of the bid, in the form of Demand Draft of Schedule Bank/ copy of receipt by internet. Payment/ Draft should be in favour of "Principal, Institute of Technology, Korba" payable at Korba, Chhattisgarh. The EMD has to be deposited department wise and then laboratory wise to avoid ambiguity in future. Earnest Money submitted in any other form will not be accepted and the tender will be rejected. Unsuccessful bidder's earnest money will be discharged/ returned as promptly as possible.
13. The EMD will be treated as security deposit in case of selected tenders. EMD/Security deposit will be forfeited in case of breach of agreement of supply by the tenderer (supplier). If purchase order is issued, the Security Deposit will only be returned after warranty period of supply (which will be as per point No.28 mentioned in terms & conditions of this Tender document), if the machine/ equipment/ material/ services will found satisfactory at that time.
14. The supplier can quote part or full tender requirements of the department (applicable to all tender categories except Library/ services) and proportionately the EMD may be submitted as mentioned in respective laboratory/department.
15. If any document given by the bidder is found fake/manipulated, then the entire EMD deposited by the bidder in the tender will be forfeited without assigning any reason and such bidder will not be entitled for future biddings.

#### Award of Tender:-

16. Contracts will be awarded only for those items which have minimum 3(Three) valid rates.
17. Contracts for procurement will be awarded as per the priority and availability of budget. Suppliers have to deliver the specified items within stipulated time. One time extension for two months may be granted on request for one month at 2% penalty.

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18. The undersigned reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time without assigning any reason prior to contract award, without thereby incurring any liability to the affected bidder(s).
19. The undersigned reserves the right at the time of Contract award to increase or decrease the quantity of goods originally specified without any change in unit price or other terms and conditions.
20. As per State Government policy, Vendors registered within the State will be given advantage in price bid limited to the applicable VAT compared to the price quoted by the vendors registered outside CG State.

**Supply & Payment Terms & Conditions:-**

21. The rates quoted by the bidder must be inclusive of all the charges (like – transportation, installation charges, delivery charges, inspection charges, training charges, charges for services, excise duty, customs duty etc.) except VAT. The VAT should be mentioned separately. Loading/ Unloading charges shall be borne by the supplier.
22. The tender matter including prices should be typed neat- corrections/ overtyping in prices will not be accepted. However if correction/ overtyping is there, it should be attested by the tenderer with signature, date and their seal. Hand written and Xerox tender will not be accepted.
23. If the Supplier fails to deliver any or all of the Goods or to perform the services within the stipulated delivery period(s) specified in the Contract, then Principal, Institute of Technology, Korba (C.G.) shall, without prejudice to its other remedies under the Contract, forfeit the Bid Security and the order is liable to cancel.
24. If the supplier/ dealer fails to supply the items as per the specifications, items will not be received by the consignee and supplier/ dealer has to take them back on his/ her own cost. The supplier / dealer may supply the items of higher specifications (due to manufacturing obligations) if accepted by consignee after examination and testing.
25. The undersigned may get, the items supplied by the successful tenderer, inspected on receipt of the same by such person or persons he deems fit or may reject the items as in his opinion do not come up to the specification. The decision of the under signed will be final in such cases.
26. The one time extension (if application received within specified time) may be granted at the discretion of the undersigned. The liquidated damage at a rate of 2% per month of the contract price of the full cost of the tool/equipment/machine is liable to be charged for the extension of the delivery period(which includes the date of demonstration). Exemption in penalty may be given in a particular case of default by the institute side for the period of delay. Once the maximum (two months) is reached, the Purchaser may consider termination of the Contract. Equipment received after the delivery period or dispatched after the delivery period mentioned in the order will also be subjected to this liquidated damage or termination of contract. Power to extend delivery period would remain reserved with Principal, Institute of Technology, Korba (C.G.).

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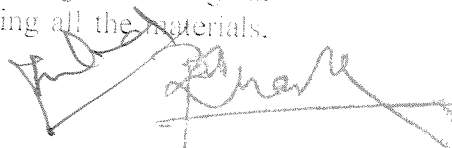
27. The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account. All items will come under warranty of two years which will cover free servicing/spares if any.
28. 80% payment will be released after the safe receipt of goods, as per the specifications given in purchase order & and after ensuring successful installation, commissioning and performance of supplied items etc. Bills will be submitted in triplicate for payment. 5 % of the payment will be released at every six month interval till two years subjected to successful training/demo of the equipment/software to staff/students and satisfactory report by users.
29. Items should strictly comply the standards/norms as prescribed in BIS specifications.
30. The tenderer will have to submit samples on demand before the technical team at the purchaser end, in the prescribed time limit. In case the samples are not produced in the prescribed time it shall be open to the undersigned to forfeit Earnest Money Deposited by the tenderers.
31. Prices shall be quoted in Indian Rupees only. All quoted rates should be for new and unused items unless and otherwise specified so.

**Other Terms & Conditions:-**

32. Request for the supply of any details regarding quotation or comparative chart or any other enquiry in respect of the tenders received will not be entertained. Exact and earliest possible time of delivery should be indicated in the tender against each item. Other things, being equal, the tenders who give earliest delivery period will be preferred while comparing the rates. The delivery period given in the order will be the date of receipt of the equipment in the institute and not the date of dispatch of the equipment by the supplier.
33. Either a manufacturer or their authorized dealer can bid for the items. For each of the quoted items, appropriate documentary evidence for being a Manufacturer or their authorized dealer (Manufacturer's Authorization Form given in SECTION XII as Annexure-IV) must be submitted necessarily. In absence of above the bid will be treated non- responsive & likely may be rejected.
34. Vague expression such as "complete with standard accessories" or "as per your specification" will not be accepted. The tenderers must specifically indicate all specification of the items and should mention clearly what item will be supplied under "accessories" with the Equipment/ Machinery in price schedule enclosed as Annexure-I. Any ambiguity or vagueness in tender for item concerned will be liable for rejection.
35. The bids will be examined to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed, and whether the bids are in order.
36. Samples sent by the party and the approved samples will be adjusted in regular supply and in the case of rejection, they will be returned back to the party at his cost.
37. The rejected items will be returned on the tenderer's cost.
38. All the equipments shall be suitably protected, coated, covered or boxed and crated to prevent damage or deterioration during transit/ handling and storage at site till the time of installation/ commissioning. While packing all the materials.




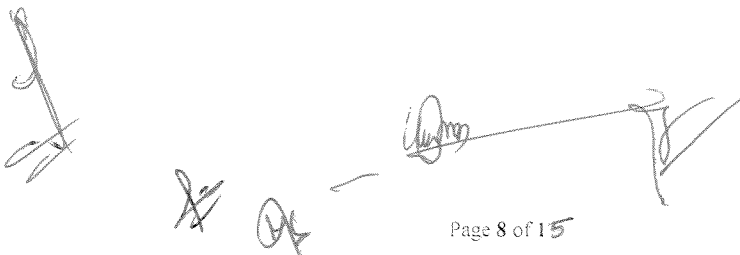




the limitations from the point of view of availability of railway wagon sizes. in India should be taken into account. The contractor shall be responsible for any loss or damage during transportation, handling and storage due to improper packing.

39. It must be noted that normally all correspondence and transactions will be made only with the parties whose tenders have been accepted and not with anybody else.
40. At any time prior to the deadline for submission of bids, the Purchaser may modify the bidding documents by amendment. All prospective bidders who have purchased the bidding documents will be notified of the amendment by uploading in the website [www.itkorba.com](http://www.itkorba.com) or by E-mail, letter or by fax and will be binding on them.
41. No offer should be made for imported item for which import license has to be arranged by the undersigned. The entire imported item will have to be delivered in the institute and payment will be made in Rupees only.
42. Quality and price of the product will be the decisive factors for the award of tender. Merely quoting the lowest price without desired quality may lead to the consideration of next suitable tenderer.
43. Other terms and condition (if not specified in this tender document) will be as per C.G. State Government store purchase rule. Any dispute arising out of this tender or supply of any other matter will fall under the civil jurisdiction of Korba district only.

  
Principal  
Institute of Technology  
Korba (C.G.)





## TECHNICAL SPECIFICATION SCHEDULE

Department/Section.....,  
 Laboratory Name/Work.....  
 Name of Bidder.....

Item serial no	Item Code	Specification of items, which bidder offers	Name of Accessories with specification (if any)	Make/ Brand of item	Manufacturer's Name	Catalogue/ Brochure Page No. (as indexed by you)	Mention the deviations from the required specifications (if any)	Whether higher of lower side (if higher specifications or shortfall if any)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)

## Note:-

- Specifications quoted should strictly comply the asked ones. However with valid justification the higher/lower specifications may be quoted (Column 8). Consideration of such deviated specifications will be purely at the discretion of the concerned department & Principal I.T.Korba.
- Vendor has to specify if the specifications quoted by him are extra and more modernized than the asked ones (Column 9)
- Specifications of the item which bidder offers as per the catalogue / brochure / Technical details etc. will be considered for comparison and selection. Incomplete details will not be considered for comparison.

*J* *L* *QF*

*400* *12/12/15* *Chavla*

FORM - A

(To be signed and returned along with the tender)

I/We (Full name).....

Address.....

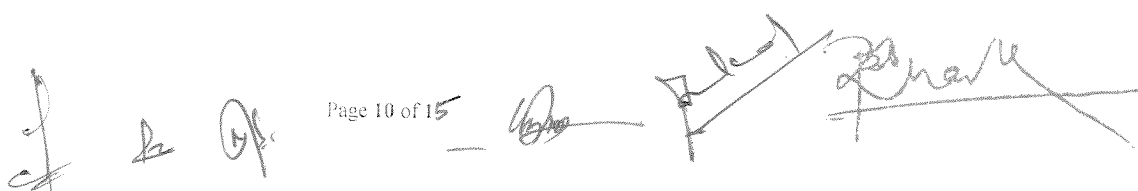
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have read the Term and Condition of the tender for the supply of various stores as per your tender notice for supply \_\_\_\_\_ for \_\_\_\_\_ Chhattisgarh due on \_\_\_\_\_ and I/We fully accept the Term and Condition of the Bid supplier to me / us with the Bidding Documents.

I/We also undertake to permit the inspection our accounts and records and other documents related to the bid submission and contract performance and to have them audited by auditors appointed by the society.

It is further noted that if any manipulation is found at any stage, the tender / Contract / Supply order shall be rejected and the Principal, I. T. Korba, Chhattisgarh may take any action against me/ us, as she/ he deems appropriate.

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Details of Earnest Money/ bid security in the form DD/BG @ 5% of the total tender value for which bid is submitted) :

(a) DD/BG No.-----

(b) Values `-----

(c) Name of Bank-----

Date:-----

Signature  
(Name & full Address of the firm)

*[Handwritten marks and signatures]*

On Non Judicial Stamp Paper of Rs. 50/-

निविदाकर्ता द्वारा निविदा प्रपत्र के साथ दिये जाने वाला

## शपथ-पत्र

निविदाकर्ता फर्म मेसर्स .....की ओर से मुझे/हमें अधिकृत किया गया है और मैं/हम निम्नलिखित कथन शपथपूर्वक करता हूँ/करते हैं कि :-

1. मैंने/हमने निविदा की सारी शर्तें ध्यानपूर्वक पढ़ी हैं और उनसे सहमत हैं तथा उन्हें मानने के लिये वचनबद्ध हैं।
2. मेरे/हमारे द्वारा संलग्न किये गये सभी दस्तावेज सही है और उनमें किसी प्रकार की कांट-छांट नहीं किया गया है एवं गलत जानकारी नहीं दी गई है।
3. मेरे/हमारे द्वारा कमर्शियल बिड में सामग्रियों के लिये जो स्पेशिफिकेशन दिया गया है और उनके सपोर्ट में जो भी संबधित दस्तावेज, कैटलॉग/ब्रोशर्स आदि संलग्न किये गये हैं उनमें लिखा विवरण निर्माता द्वारा जारी किया गया है एवं मूल रूप में हैं और उनमें कोई फेरबदल या कांट-छांट नहीं किया गया है।
4. मेरे/हमारे द्वारा निर्माता से मुझे/हमें जारी आर्थोराइजेशन प्रमाण पत्र जो कि बिड के साथ संलग्न किये गये हैं वे सही एवं मूल रूप में हैं और उनमें कोई फेरबदल नहीं किया गया है।
5. यदि हमें क्रय आदेश आपूर्ति का अवसर दिया जाता है तो, मैं/हम दिये गये क्रयादेशानुसार सामग्रियों को निर्धारित समय सीमा में स्पेशिफिकेशन के अनुसार सप्लाय करने के लिये बाध्य हैं। देर होने या सामग्रियों के स्पेशिफिकेशन में अन्तर होने पर मुझे/हमें दिये गये क्रयादेश को निरस्त किया जा सकता है एवं संस्था को होने वाले नुकसान की भरपाई मेरे/हमारे द्वारा की जायेगी।
6. मेरे/हमारे द्वारा दी गई जानकारी असत्य पाये जाने पर मुझे/हमें एवं हमारी फर्म को निविदा में भाग लेने से वंचित किया जा सकता है।

दिनांक .....

हस्ताक्षर : .....

नाम : .....

धारित पद : .....

फर्म का नाम : .....

EARNEST MONEY / BID SECURITY FORM

To:  
The Principal,  
Institute of Technology,  
Korba (C.G.)

WHEREAS.....(Name of Supplier) hereinafter called "the bidder" has undertaken, in pursuance of Tender No.....Date..... to bid in the said tender.

AND WHEREAS it has been stipulated by you in the said Tender notification that the Supplier shall furnish you with a Bank Guarantee by a schedule bank for the sum specified therein as Earnest Money/ Bid Security for compliance with the Bidders obligations in accordance with the Tender terms and conditions.

AND WHEREAS we have agreed to give the Bidder a Guarantee:

THEREFORE WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Bidder, up to a total of.....(Amount of the Guarantee in words and figures) and we undertake to pay , upon your first written demand declaring the bidder to be in default under the Terms and Condition and without cavil or argument, any sum of sums within the limit of .....(Amount of Guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specification therein.

This guarantee is valid until-----day of-----20----

Signature and Seal of Guarantors

.....  
.....  
.....

Date.....20.....

Address.....

.....

.....

.....  
(Signature of the Bank)

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*[Handwritten signatures and marks]*

SECTION XII

MANUFACTURERS' AUTHORIZATION FORM\*

No. \_\_\_\_\_ Dated \_\_\_\_\_

To  
Principal,  
Institute of Technology,  
Korba (C.G.)

Dear Sir:

Tender no \_\_\_\_\_ Dated \_\_\_\_\_

We.....who are established and reputable manufacturers of (name and description of goods offered) having factories at(address of factory) do hereby authorize M/s(Name and address of Agent) to submit a bid, and sign the contract with you for the goods manufactured by us against the above IFB.

No company or firm or individual other than M/s.....are authorized to bid, and conclude the contract for the above goods manufactured by us, against this specific Tender. (This para should be deleted in simple items where manufacturers sell the product through different stockiest.)

Yours faithfully,

(Name)  
(Name of manufacturers)

Note: This letter of authority should be on the letterhead of the manufacturer and should be signed by a person competent and having the power of attorney to legally bind the manufacturer. It should be included by the Bidder in its bid.\* Modify this format suitably in case where manufacturer's warranty and guarantee are not applicable for the items for which bids are invited

*[Handwritten initials]*

*[Handwritten signature]*

*[Handwritten signature]*

Note:- Give bid price item-wise in the following Performa only. Any deviation will not be accepted.

## PRICE SCHEDULE

Department/Section....., Laboratory Name.....  
Name of Bidder.....

(Amount in ₹)

Item serial no.	Item Code	Specification of items, which bidder offers	Name of Accessories with specification (if any)	Make/ Brand of item	Manufacturer's Name	Catalogue/ Brochure Page No. (as indexed by you)	Quantity of item as per tender with unit (8)	Cost per unit (Inclusive of all charges except VAT (9))	VAT (%)	Total value item wise (col 8 * col 9) (10)	Total Value in col 8 * col 10 (11)
Total (in words)											

Note:-

- The bidding prices shall be for F.O.R. Destination.
- Rates should be inclusive of all charges (such as charges for inspection / Demonstration / Installation/ Commissioning/ Transportation/ Excise / Custom / Services charges etc. except VAT. VAT should be mentioned separately.
- Conditional rates will not be accepted.
- Comparison will be done item wise on the basis of total values as mentioned in column 11.
- Rates will be finalized for purchase on the basis of individual items having 03 valid rates.
- Specifications of the item which bidder offers as per the catalogue / brochure / Technical details etc. will be considered for comparison and selection. Incomplete details will not be considered for comparison.
- Price schedule give in other form will not be accepted and bid will be rejected.

INSTITUTE OF TECHNOLOGY, KORBA KORBA(C.G)  
CIVIL ENGINEERING DEPARTMENT MAINTENANCE WORK  
PROPOSED BUDGET 2016-17

S.NO.	DESCRIPTION	ESTIMATED COST (Rs. IN LAKH)	EMD AMOUNT 2016-17
1	Annual maintenance of pipe fittings & sanitary work	100,000.00	5,000.00
2	Partition work of SED Lab	100,000.00	5,000.00
3	Foundation work of Civil Engg Laboratory Equipment i)Concrete lab ii)Geotech & transportation engg lab Mechanics Lab iii)Fluid	200,000.00	10,000.00
4	Foundation work of Mechanical Engg Laboratory Equipment	100,000.00	5,000.00
5	Foundation work of Electrical Engg Laboratory Equipment	100,000.00	5,000.00
6	All drop& Door Fitting	50,000.00	2,500.00
<b>TOTAL</b>		<b>650,000.00</b>	<b>32,500.00</b>
TOTAL RS 6.50LAKHS (IN WORDS RUPEES SIX LAKHS FIFTY THOUSAND ONLY)			

Note: Budget includes the adjustment of budget proposed for session 2016-17 which has not been used till date

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BY

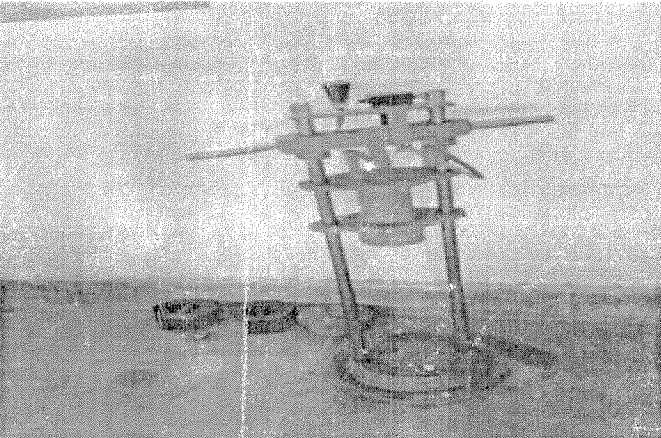
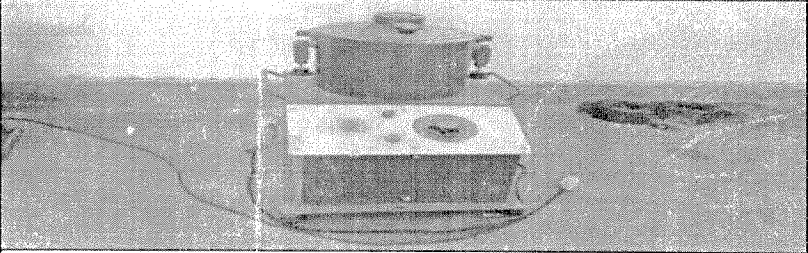
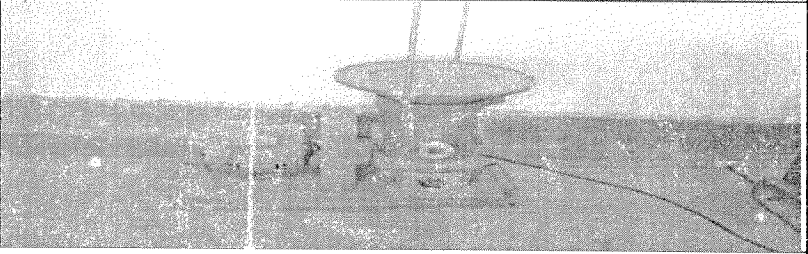
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INSTITUTE OF TECHNOLOGY, KORBA  
 CIVIL ENGINEERING DEPARTMENT  
 CIVIL ENGINEERING MAINTENANCE WORK

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 ①

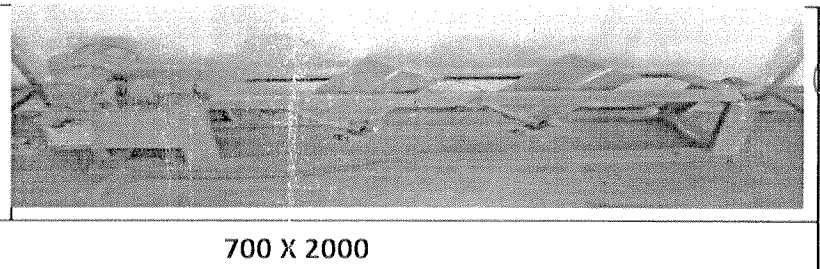
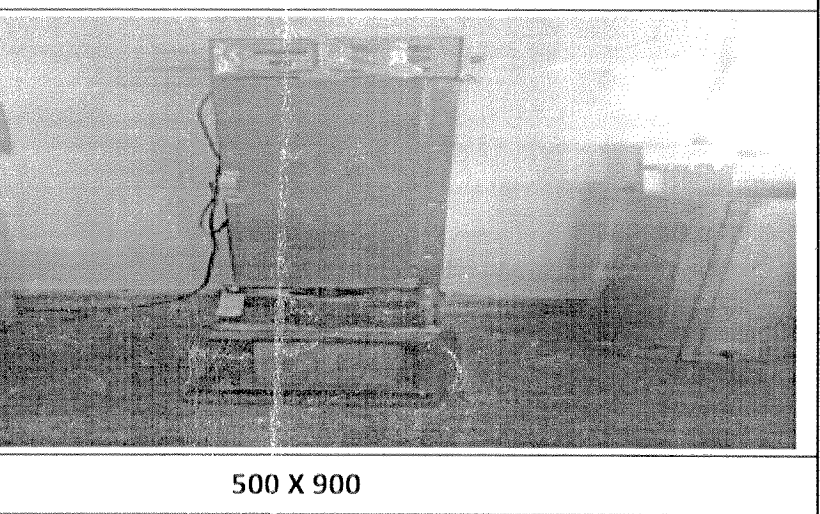
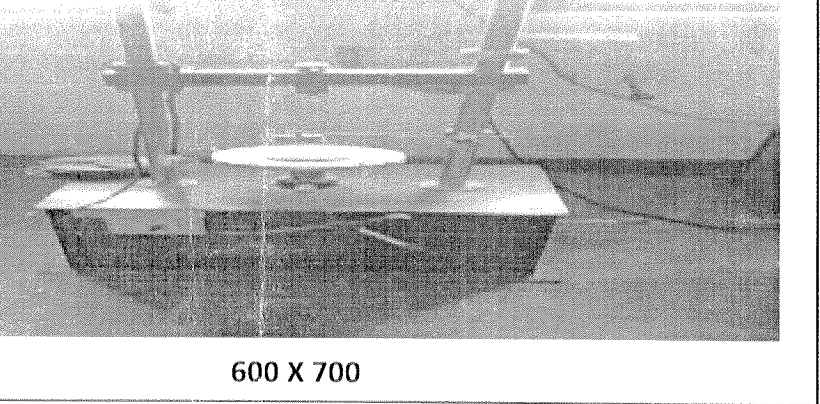
S.No	Nature of Work	Name of Lab	Machine /Specification	Type of Foundation	Size of Foundation(in mm)	Size of Foundation(in mm)
1	Foundation Work Either by brickwork/PCC /RCC and eye bolt foundation or by using antivibration mounting pad whichever will be suitable.		Aggregate Impact Test Apparatus	Circular		 400 ø
			Bitumen Extractor	Rectangular		 500X 600
			Sieve Shaker Apparatus	Rectangular		 400 X 800

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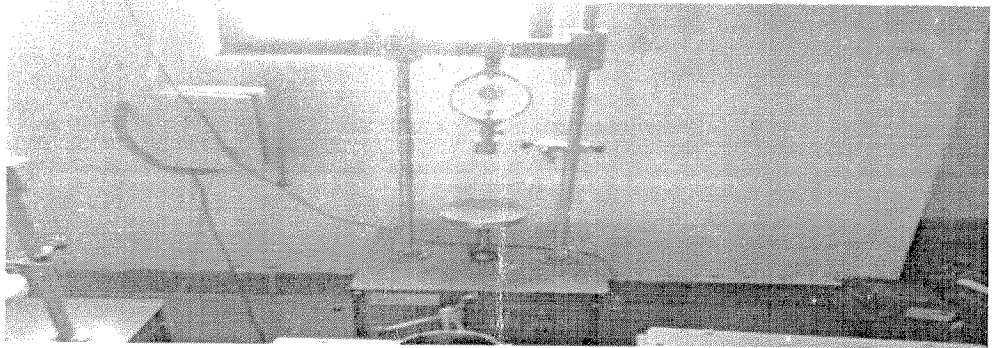

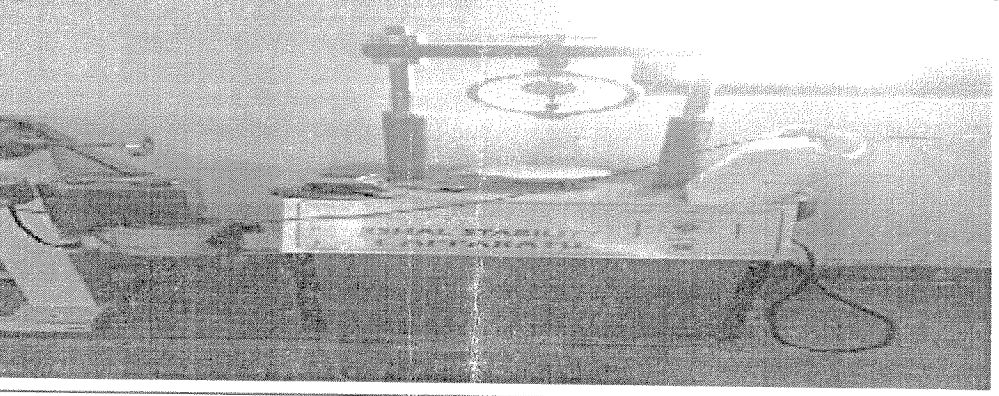
4		Aggregate Abrasion Machine (Devals Apparatus)	Rectangular		
700 X 2000					
5		Automatic Compactor Machine	Rectangular		
500 X 900					
6	Geotech Engineering Lab	CBR Test Machine-I	Rectangular		
600 X 700					

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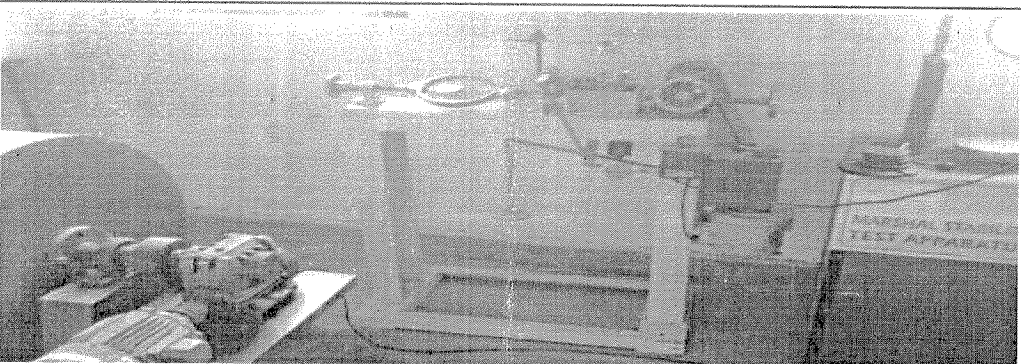
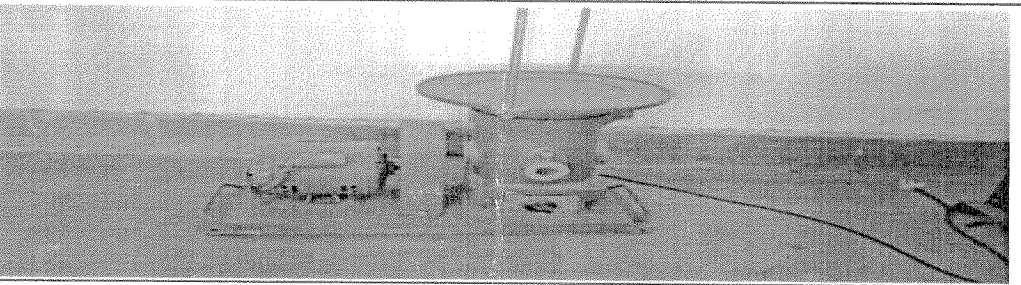
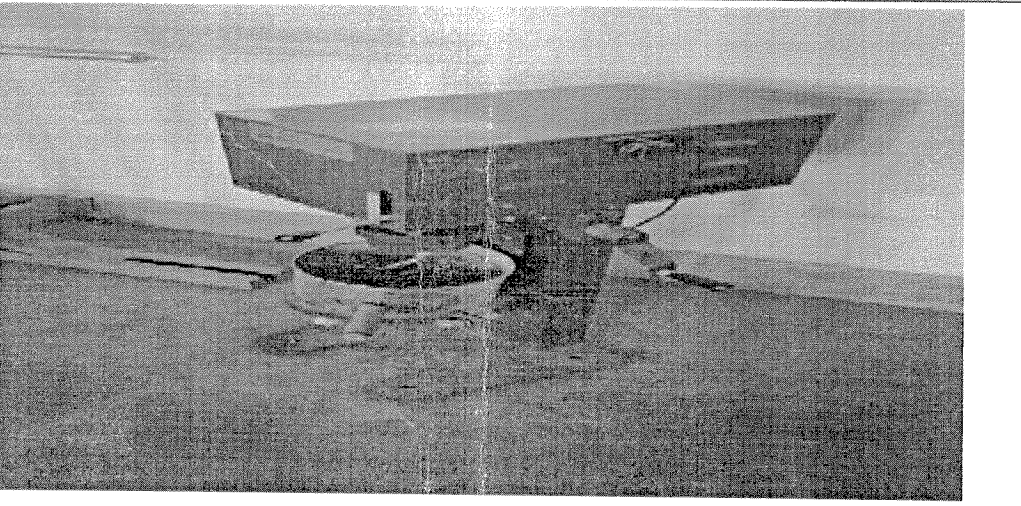
7	CBR Test Machine-II	Rectangular	
			600 X 700
8	Los Angeles Abrasion Machine	Rectangular	
			700 X 900
9	Marshal Stability Test Apparatus	Rectangular	
			600 X 700

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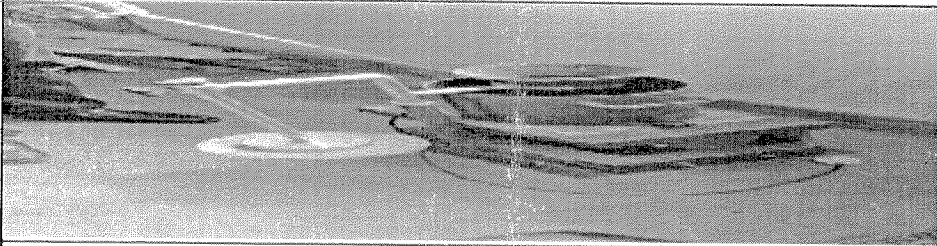
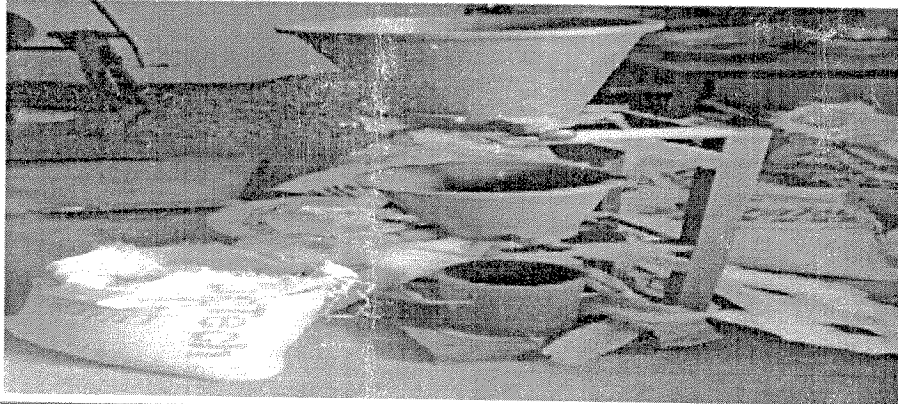
10		Direct Shear Test Apparatus	Rectangular	 500 X 800
11		Sieve Shaker	Rectangular	 400 X 800
12	Foundation Work Either by brickwork/PCC /RCC and eye bolt foundation or by using antivibration mounting pad whichever will be suitable.	Mortar Mixer	Square	 400 X 400

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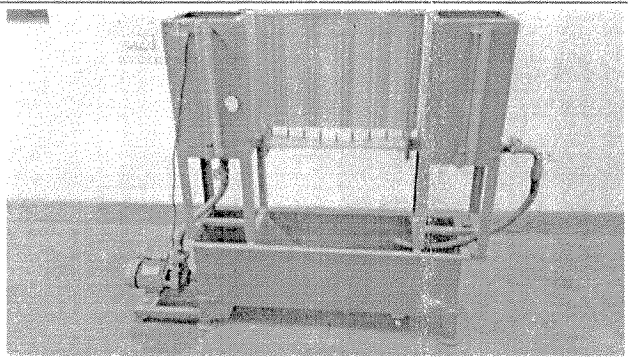
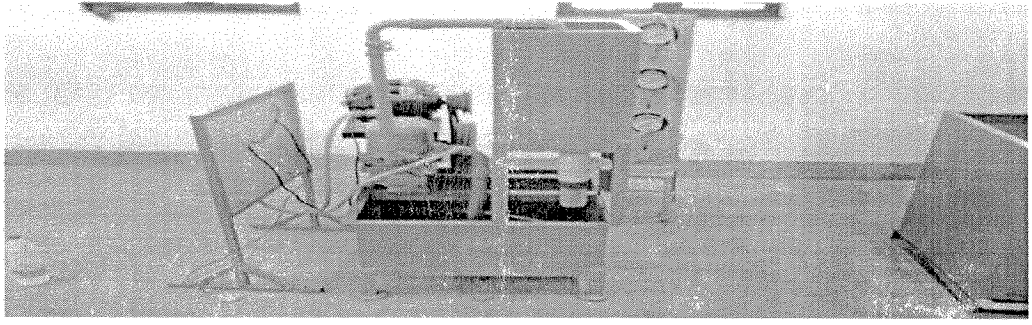
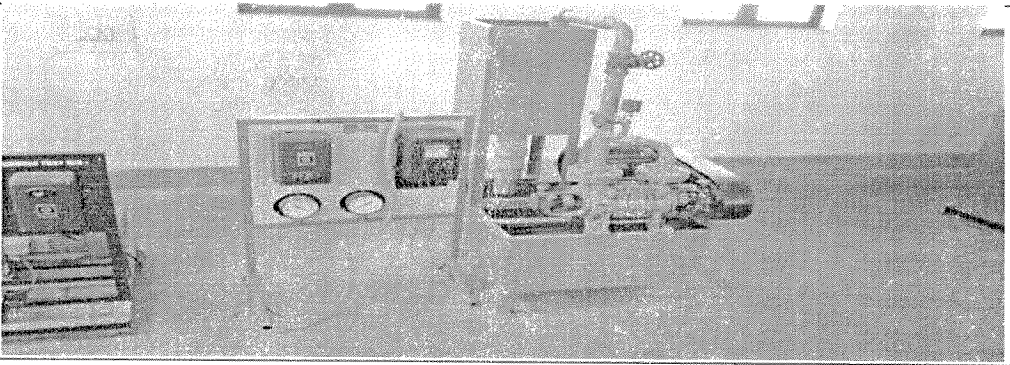
13	Concrete Lab	Compressive strength Test Machine	Rectangular	
				600 X 800
14			Rectangular	500 X 800
15	Concrete Lab	Vee bee Test Apparatus	Square	
				400 X 400
16	Concrete Lab	Compaction Factor Test Apparatus	Rectangular	
				300X400

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6

17	Bernoullis Apparatus	Rectangular	
			400 X 1400
18	Reciprocating Pump Test Rig	Square	
			700X700
19		Rectangular	400 X 600
20	Multistage centrifugal pump test Rig	Square	
			700X700
21		Rectangular	400 X 600

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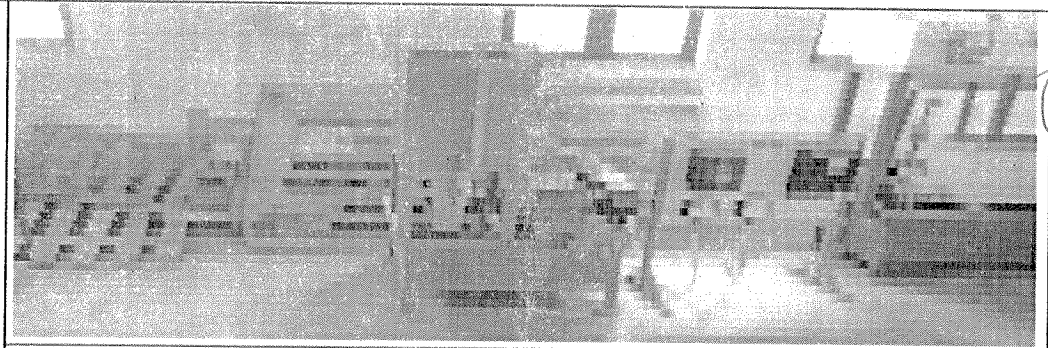
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Fluid  
Mechanics  
Lab

Centrifugal Pump  
Test Rig

Square



700X700

22

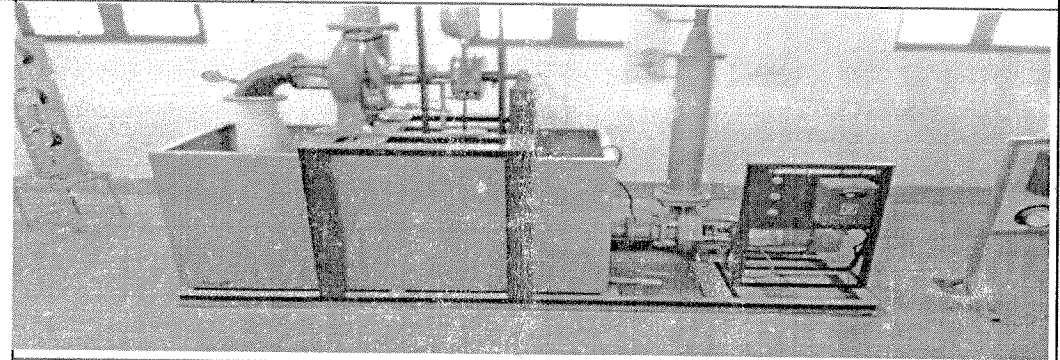
23

Rectangular

400 X 600

Kaplan Turbine test

Rectangular

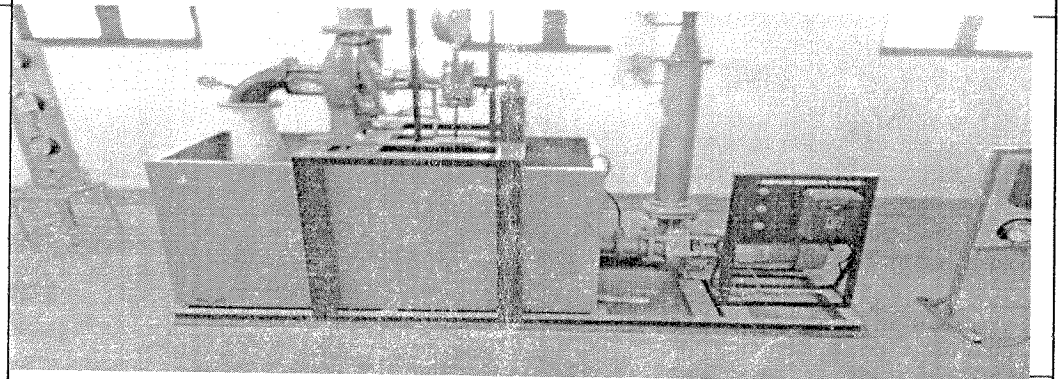


800 X 2100

24

Francis Turbine  
Test

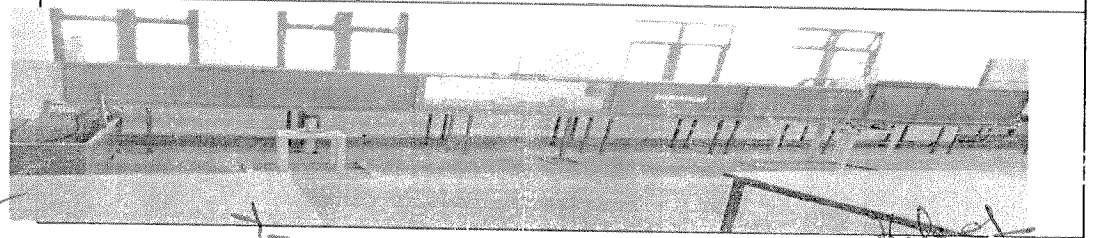
Rectangular



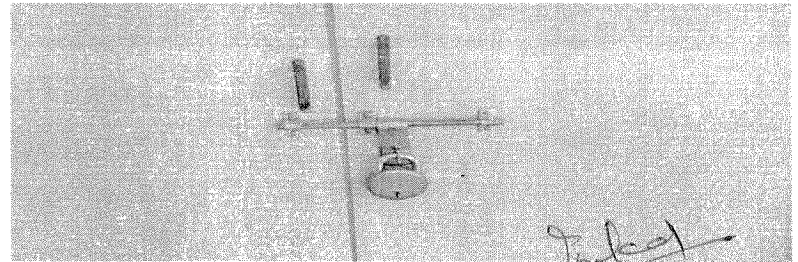
800X 2100

25

Square



P-5/c  
8

26			Tilting Flume		700 X 700	
27				Square	700 X 700	
28	Minor construction work Platform Construction with bricks or by concreting	Geotech Engineering	Oven	Rectangular	800 X 900	
29			Ductility Test Machine	Rectangular	400 X 1800	
30			Steam Curing Tank	Rectangular	500 X 700	
31		Concrete Lab	Oven	Rectangular	700 X 700	
32			Steam Curing Tank (2 nos)	Rectangular	600 X 900	
33		Water supply system Pipe Fitting & Drainage system	Concrete	30mm Diameter of PVC Pipe with a tape with all fittings & mountings	Approx.Length	10 meter
	Fluid Mec		30mm Diameter of PVC Pipe with a tape with all fittings & mountings	Approx.Length	10 meter	
34	Minor construction work	Drinking Water	Cagging , water supply system & Maintenance of water cooler & filter 5 Nos.	Length x Beadth x Height for each system	1800 X 2000 X2400	
35	L- drop fitting	locking sy	heavy duty L- drop of SS		Approx. 50 Nos	

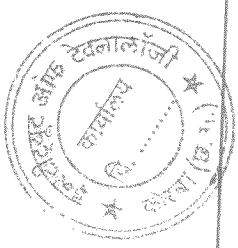
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No. of Equipment	Name of Lab	Equipment (Size in cm)
01 Petrol Test Rig	I.C. Engine Lab C-07	170x71 cm
02 Air compressor Test Rig	I.C. Engine Lab G07	L-100 cm W-41 cm
03 Universal vibration Apparatus	KOM/ DOM Lab C-06	80x120cm
04 Belt slip Apparatus	KOM/ DOM Lab C-06	100x50 cm
05 CAM Analysis Apparatus	KOM/ DOM Lab C-06	43.5 x 50 cm
06 Gyroscope Apparatus	KOM/ DOM Lab C-06	30x30 cm
07 Balancing Apparatus	—  —	40x51 cm
08 Whirling of shaft	—  —	150x12.5 cm
09 Coriolis component Apparatus	—  —	51x76 cm
10 Governor Apparatus	—  —	50x24 cm
11 Journal bearing Apparatus	—  —	76x60 cm
12 Hardness Tester Apparatus	MMM/MT Lab C-05	43 x 16 cm
13 Impact testing Apparatus	—  —	92 x 38.5 cm
14 Torsion Testing Apparatus	—  —	132 x 57.5 cm
15 Fatigue Testing Apparatus	—  —	156 x 51 cm
16 Rotameter Trainer Apparatus	—  —	62 x 32 cm



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## General Terms & Conditions

(9) P-52/c

- 1) The contractor registered in capable class/catagory under unified registration system through Chhattisgarh state can participate in bidding process.
- 2) The bidders must have valid registration under unified registration system,valid revenue salvancy,valid bank salvancy and have to submit photocopy of the same with tender document forms.The same have to be verified before issuing the work order.
- 3) The bidders are advised to visit IT,Korba and understand the nature of the work personally before bidding.
- 4) The materials used for repair/foundation work should be ISI Marked/ Standard and having best quality(A Grade).
- 5) The cement used for construction work should be of reputed company i.e ~~Bargen~~,Ambuja,Birla,Ultratech, L &T or equivalent.
- 6) The materials for brickwork/PCC/RCC should designed in such a way that they can maintain the strength of at least M-20 grade.

Prepared By



Checked By



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