

**INDIAN PLYWOOD INDUSTRIES RESEARCH AND TRAINING INSTITUTE
Post Bag No.2273, Tumkur Road, Bangalore – 560 022.**

Tender No: SS/48/2011-12

Date: 29-9-2011

**TENDER DOCUMENT FOR THE SUPPLY, INSTALLATION AND COMMISSIONING OF
HIGH TEMPERATURE OXYGEN INDEX**

Tender Part I-Technical competence bid (**PRICE AND QUANTITY NOT TO BE QUOTED**)

Tender Part II- Quantity and Price bid

COST OF TENDER DOCUMENT Rs.1000/-

RECEIPT NO.....

DATED:.....

Tender issued to M/s.

.....

.....

Last date for submission of Tender: 18-11-2011 at 11.00 Hrs.

**Sd/-
Administrative Officer**

I N D E X

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INDIAN PLYWOOD INDUSTRIES RESEARCH AND TRAINING INSTITUTE**Post Bag No.2273, Tumkur Road, Bangalore - 560 022**

Tender No: SS/48/2011-12

Date: 29-10-2011

Notice Inviting Tenders

- I. Sealed tenders are invited in two parts viz., **Part I** –Technical competence bid and **Part II**-Quantity and Price bid in two separate sealed covers duly super scribed with tender number, name of the item and Tender Part No (viz., Part I/Part II) from the reputed suppliers/fabricators for the supply, installation and commissioning of **High Temperature Oxygen Index** as per **Annexure I** (technical specification).

Tender Part I –Technical competence bid, consisting of only Technical Competence to undertake the work should furnish details on Work experience, past performance, infrastructure facilities, list of customers etc. The eligibility of the tendered will be based on the following criteria.

Criteria I

Should have engaged in the supply, installation and commissioning of **High Temperature Oxygen Index**

- (a) Give details of the organization and work experience. Furnish list of customers as per format in **Annexure II**
- (b) Technical capabilities of the manufacturers with respect to in-house facilities such as Machinery, Tools, Precision Instruments, Design Dept, Plant/Workshop space availability, Man power and other required infrastructure facilities
- (c) Income Tax and sales tax clearance certificates

Submission of tender Part I without any of the above such documents are liable for rejection. A check list to avoid rejection of the tender (use format in **Annexure III**) should be compulsorily submitted along with **Part I** -Technical competence bid.

Tender **Part II** – Quantity and Price bid consisting of Schedule of quantities with price should accompany with the following documents. Design details, complete and detailed technical specifications etc should be provided.

The offer Part II should be submitted in the following format only as given in Criteria II (Otherwise the offer will be liable for rejection)

Criteria II

- A**
- (1) a. Supply, installation and commissioning of **High Temperature Oxygen Index**
- b. Mandatory Spares, if any :
- (2) Packing, forwarding and unloading charges :
- (3) Insurance up to destination :
- (4) Transportation Charges upto destination :
- (5) Excise Duty % :
- (6) Taxes % :
- (7) Other charges like installation and commissioning :
- B**
- (1) Guarantee/Warranty Period :
- (2) After Sales Service :
- (3) Delivery Period :
- (4) Validity of the Offer :
- (5) Payment Terms :

The tenders for the work will be received by the Administrative Officer in his office up to **11.00 Hrs. on 18-11-2011**. The sealed tenders **Part I** -Technical competence bid will be opened by the Joint Director at 2.00 p.m. on the same day if possible, otherwise on the next working day in the presence of the tenderers. The tender documents can be had in person/by post from this office on any working day against written request enclosing therewith attested copy of Company Registration Certificate on payment of Rs.1000/- by Cash / Demand draft drawn in favour of Director, IPIRTI, Bangalore-560 022 which is non-refundable. The Tender document will be sent by Speed Post/Registered Post to those who have requested by Post at their risk.

- | | | | |
|--------------|---|---|---|
| I. | Name of work | : | Supply, installation and commissioning of
High Temperature Oxygen Index |
| II. | Approximate Amount
Estimated | : | Rs.15,00,000/- |
| III. | E.M.D. Amount | : | Rs.30,000/- To be submitted along with Part I. |
| IV. | Cost of Tender Document
(Non-refundable) | : | Rs.1000/- |
| V. | Issue of Tender
Documents | : | 18-11-2011 up to 11.00 Hrs. |
| VI. | Date of submission of
sealed tender | : | 18-11-2011 up to 11.00 Hrs. |
| VII. | Date of opening of
Tender | : | Part I – Technical competence bid at
14.00 hrs. on 18-11-2011
Part II – Quantity and Price bid, will be intimated
separately to Qualified Tenderers in Part I -
Technical competence bid |
| VIII. | Date of completion of
work | : | Maximum 60 days from the date of
placing order |

- IX.** The tenderer should deposit along with the tender a sum of Rs.30,000/- only by means of crossed DD in favour of Director, IPIRTI, Bangalore – 560 022 as Earnest Money Deposit (EMD). The amount will be refunded to unsuccessful tenderers after opening of the tender part II without interest therefore. The Director, IPIRTI reserves the right to accept and or reject any/all tenders without assigning reasons therefore and/or to award the work either in part or in full.
- X.** The successful tenderer shall pay the additional amount towards security deposit at the rate of 3% of the amount tendered by him after adjusting the EMD and execute an agreement within 7 days from the date of issue of the letter-communicating acceptance of the tender failing which EMD will be forfeited.

Director
IPIRTI, Bangalore

LETTER OF ACCEPTANCE
(To be submitted along with Part II)

The Director,
IPIRTI, P.B.No.2273,
Tumkur Road,
Bangalore - 560 022.

Dear Sir,

I/We, hereby tender for the execution of the work specified in the under mentioned memorandum within the time specified in such memorandum at the rates specified therein and in accordance in all respects with the specification and instructions in writing which have been read by me/us, read and explained to me/us and with such materials as are provided for by and in all other respects in accordance with such conditions so far as possible.

MEMORANDUM

- | | | | |
|----|--|---|---|
| 1. | General description of work | : | Supply, installation and commissioning of
High Temperature Oxygen Index |
| 2. | Estimated cost | : | Rs.15,00,000/- |
| 3. | EMD | : | Rs.30,000/- |
| 4. | Security Deposit | : | 3% of the Tendered amount including EMD |
| 5. | Tenders to be submitted
on or before | : | 11.00 hrs. on 18-11-2011 |
| 6. | Time allowed for completion
of work | : | Maximum 60 days from the date of
placing order |
| 7. | Specifications | : | The work shall be carried out as .
Explained in tender document. |

Should this tender be accepted, I/we hereby agree to abide by and fulfill all the terms and provisions of the conditions contained in the articles of Agreement, Notice Inviting tenders and Conditions of Contract, etc., which have been read by me/us, and explained to me/us so far as applicable or in default thereof to forfeit and pay to the Institute or their successors in office the sums of money mentioned in the conditions of contract, articles of Agreement and Notice Inviting Tender.

Dated thisday of 2011.

.....
Tenderer's signature with seal

Address:

Witness to Tenderer's signature

Address:

The above tender is hereby accepted by me on behalf of the Indian Plywood Industries Research and Training Institute, Bangalore.

Dated this day of
.....

.....
Signature of the Officer by who accepted

UNDERTAKING TO BE GIVEN BY THE TENDERER
(To be submitted along with Part II)

We, thehaving registered

Office at

.....do hereby declare and affirm the following:

1. We are aware of all statutory and legal requirements of Central and State Governments as well as local regulations applicable to the work. Consequences due to violation of these Acts, Rules and Regulations shall be borne by us and the Employer/Consultant are indemnified from any charge directly or indirectly arising there from.

2. That this undertaking forms part of the Agreement and contract documents.

WITNESS:

Signature of the Tenderer with seal

GENERAL INFORMATION TO TENDERERS

1. The supplier shall make all provisions for safety of his men and materials including insurance for fire and accidents. An indemnity bond in the form appended shall be submitted indicating clearly that the Employers are free from such responsibility and encumbrances.
2. No sub-letting and sub-contracting in any form is allowed.
3. Quality of work and quantities shall be notified to the Employer whose technical personnel or of consultant will certify the work. Any defect or shortcoming in the work shall be made good by the supplier to the full satisfaction of the Employer.
4. Working hours of the Institute are normally from 9.00 a.m. to 5.30 p.m. Monday to Friday. If the supplier wishes to deploy his workmen beyond working hours and on holidays, prior permission of the Employer shall be taken.
5. The time allotted for supply the equipment is **60 days** from the date of placing order.

@ @ @

ARTICLE OF AGREEMENT

ARTICLE OF AGREEMENT made at Bangalore this day

.....between the INDIAN PLYWOOD INDUSTRIES RESEARCH AND TRAINING INSTITUTE registered under the Karnataka Societies Registration Act 1960, having registered office at Tumkur Road, Bangalore (hereinafter referred to as the EMPLOYER which expression shall include its successors and assignees) of the ONE part and.....(herein after called the CONTRACTOR) of the OTHER part.

WHEREAS the Employer is desirous of getting done the work supply, installation and commissioning of **High Temperature Oxygen Index** at Indian Plywood Industries Research and Training Institute, Bangalore-560 022.

AND WHEREAS the Contractor has agreed to execute the aforesaid work on terms and conditions mentioned herein and subject to the conditions of contract, schedule of quantities, specifications, etc. (all of which are collectively hereinafter referred to as the said conditions).

Now it is hereby agreed and declared by and between the parties hereto as follows:

- 1) In consideration of the payment to be made to them as hereinafter provided the contractor shall, subject to schedules such as the conditions of contract, specifications, schedule of quantities, etc. execute and complete the work within maximum of **60** days from the date of placing order.
- 2) The employer shall pay to the contractor such sums as shall become payable hereunder at the time and in the manner specified in the conditions of contract.
- 3) Time is the essence of this Agreement and the Contractor shall pay or allow the Institute to deduct @ 0.5% per week of the contracted amount as a Liquidated damages. If sufficient justification is not made regarding the delay, the employer may deduct such damages from any amount due to the contractor under this Agreement or any other Agreement that may subsequently entered into between the parties. The order is liable to be cancelled if the accumulated penalty exceeds 5% of contracted amount. EMD & Security Deposits will also be forfeited.
- 4) The schedules above mentioned shall form an integral part of this Agreement and the decision of the employer in reference to all matters of dispute as to material and workmanship shall be final and binding on both the parties.

- 5) The employer reserves to themselves the rights of altering the drawings of the works and of adding to or omitting any item of work from or of having portions of the same carried out departmentally or otherwise and such alterations or variations shall not vitiate this Agreement.
- 6) The security deposit of the Contractor shall be forfeited if he fails to comply with any of the conditions of the contract.
- 7) This Agreement comprises the works above and all subsidiary works connected therewith, even though such works may not be shown on the schedules appended herewith.
- 8) Notwithstanding anything contained in the tender submitted by the Contractor, all the clauses of this Agreement shall be binding on both the parties.
- 9) If any dispute shall arise between the parties touching these presents or any of the matter covered by the schedule herewith appended or the construction of operation thereof or the rights, duties or liabilities of either party hereunder, such dispute shall be referred to two arbitrators, one to be appointed by each party or in the event of their not agreeing then to the award of an Umpire to be appointed by them in writing before entering on the reference and the decision of the arbitrator or the Umpire as the case may be and shall be final and binding on both the parties. Such arbitration shall be governed in all respects by the provisions of the Indian Arbitration Act 1940, as amended from time to time and the Rules there under.

IN WITNESS WHEREOF the Parties hereto have set their respective hands the day and the year hereinabove written.

Signed by, for and on behalf of the Institute in the presence of

1)

2)

Signed by, for and on behalf of the said contractor(s) by their partners..... in the presence of

1)

2)

Terms and Conditions of contract

1. The tenderer is required to examine carefully - the form of tender showing Technical Specification, nature of work, indicative drawings and the Articles of Agreement before pricing the quantities.
2. The quantities set out in the tender form are only approximate. However Design details, Technical Specifications etc, are to be submitted along with the tender.
3. The tenderer whose tender is accepted will be required to sign an agreement for the due fulfillment of the contract. A copy of agreement is attached. If the successful tenderer default in signing the articles of agreement on a stamp paper of Rs.250/- within seven days of issue of the letter awarding the contract, the deposited Earnest Money Deposit will be forfeited and his tender will be treated as cancelled.
4. Alterations in the tender document by the tenderer will render the tender to be rejected. No subsequent correspondence regarding price will be entertained, once the tender is opened.
5. Time is the essence of contract and design, fabrication, supply, installation, commissioning is time bound under the project. The work should be completed on turnkey basis within a maximum period of days from the date of order. Tender with early delivery schedule will be given preference. Penalty clause will be enforced for non-completion of work within the stipulated period.
6. No 'C' or 'D' form will be issued by us. **However the concessional rate of Central Sales Tax admissible to Research Institutions on purchase of Scientific Instruments/equipments, etc., from certain States like Maharastra, Delhi, West Bengal, Tamilnadu, etc., is applicable to this Institute.**
7. The offer should be for the supply, installation and commissioning of **High Temperature Oxygen Index.**
8. A high standard of workmanship is required. Final payment will be made only after the completion of work to the entire satisfaction of the authority.

9. As this Institute is an autonomous body of the Ministry of Environment & Forests, Govt. of India, discount applicable should be shown separately.
10. Your rates should be valid at least for a minimum period of **SIX months**.
11. You may contact representatives authorized by the Director IPIRTI for any Technical clarifications.
12. The Manufacturers have to procure materials from their own source provided they are in accordance with specification. Tests certificates are required to be produced for the materials used whenever required.
13. Income-tax will be deducted at source as per rules. Retention amount at 6% of the bill will be deducted from the final bill. The said amount will be refunded after the completion of defects liability of period of 1 year.
14. Security deposit 3% will be refunded along with final payment.
15. Security Deposit of the successful tenderer will be forfeited if he fails to comply with any of the conditions of the contract.
16. Your bill in triplicate should be submitted along with completion certificate for making payment.
17. Successful tenderer shall submit Articles of Agreement on Non-judicial Stamp paper of Rs.250/- before commencement of work and should deposit 3% of the Tendered amount towards security deposit for executing the work adjusting with EMD. Director, IPIRTI reserves right to accept any or reject all quotations without assigning any reasons thereon.
18. The quoted price in Tender Part II - Quantity and Price bid should not be specified in anywhere in Tender document Part I - Technical competence bid, if mentioned, tender is liable to be treated unqualified.
19. The tenderers are requested to submit the price quoted and technical specification of the work in Part II – Quantity and Price bid, super scribing, the cover with Tender No, Name of the item and Tender Part No(viz., Part I/Part II)
20. Any conditional tenders will not be accepted.

- 21. Tender document may be down loaded from the website www.ipirti.gov.in The cost of tender document may be remitted at the time of submission of your tender. Omission/addition/deletion in the tender document are found will be treated as unqualified tender.**
22. The tenderer should have sufficient working capital for carrying out the work.
23. Technical Specification and Nature of Work to be carried out is as per **Annexure-I** of the tender document which is approximate and liable for alteration, omission, deduction and addition at the discretion of the Director, IPIRTI
24. Tender Documents Part I – Technical competence bid and Part II – Quantity and Price bid should be submitted in separate covers only. Tender Part II - Quantity and Price bid will be opened only if the tenderer qualifies the conditions in Part I - Technical competence bid. The date of opening of the same will be intimated separately and will be opened in front of the qualified tenderers present.
25. The Director, IPIRTI, at his discretion may make payment upto 50% against bank guarantee.
26. The work shall not be considered as completed until the employer has certified in writing that they have been completed in all respects and the defects liability period shall commence from the date of such certificate and satisfactory report by the representatives authorized by the Director IPIRTI.
27. Liquidated damages for Non-completion of work within stipulated period may be charged @ 0.5% per week for the delayed period, till the penalty accumulates upto 5 % of the contracted amount and thereafter the contract is liable for cancellation.
28. The decision of the Director, IPIRTI, Bangalore, shall be final conclusive and binding on the supplier/tenderer.
29. All disputes shall be subject to the jurisdiction of the Courts in the City of Bangalore, Karnataka, India.

PAYMENT AND PENALTY
(To be submitted along with Part II)

1. Name of work : Supply, installation and commissioning of **High Temperature Oxygen Index**
2. Date of completion of work : The work should be completed on turnkey basis within a maximum of 60 days from the date of order
3. Defects Liability Period : One year from the date of commissioning
4. Security Deposit to be deposited before commencement of work : 3% of the tendered amount including EMD
5. Liquidated damages for non-completion of work in time : 0.5% per week will be charged for the delayed period up to 5% of the contracted amount and there after it is liable for cancellation.
6. Retention amount. : Retention amount at 6% of the bill amount.
7. Release of Security deposit : Security deposit 3% will be refunded along with final payment.
8. Release of Retention amount : Retention amount will be deducted at 6% from the final bill. The said amount will be refunded after the completion of defects liability of period of 1 year.

Place:

Date:

Signature of Tenderer with seal

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Specifications for High Temperature Oxygen Index

Oxygen Index (ASTM D 2863, ISO 4589-2, NES 714)

Instrument Features: -

- New Paramagnetic Oxygen Cell for assessing accurate oxygen (< 0.1%) levels.
- Compact unit for efficient use inside a laboratory hood, with ventilation.
- Automatic flow control gives oxygen level adjustment by turning one single valve.
- Quick loading of test specimen into test chimney measuring 450 mm × 75 mm.
- Digital display of oxygen percentage in atmosphere during test (no calculations needed).
- Digital display of temperature of gas mixture entering the test chimney.
- Sample holders for both rigid and flexible samples supplied.
- Shortened gas path for rapid response.
- Compact design

Specification : -

- Digital readout for 0% concentration: +0.1%
- Dimensions (mm): 350(w) x 370(d) x 280(h)
- Column size (mm): 75 & 100(dia) x 450(h)
- Weight (kg): 14
- Voltage: 230V 50Hz 1A or 110V 60Hz 2A
- Operating Manual: Supplied
- Other Service requirements: Bottled O₂/N₂, Propane

High Temperature Oxygen Index (ISO 4589-2, NES 715)

- Instrument Features: -
- Test temperature to 400°C.
- Digital display of sample temperature.
- Digital display of column and pre-heater temperatures.
- Transparent radiant heated test column.
- Highly efficient gas pre-heater
- Air pump to conserve oxygen and nitrogen supply during standby period
- Propane ignition source.

Specification: -

- Digital readout for 0% concentration: +0.1%
- Dimensions (mm): 350(w) x 370(d) x 280(h)
- Column size (mm): 160 max(dia) x 570(h)
- Weight (kg): 17
- Voltage: 230V 50Hz 1A or 110V 60Hz 2A
- Operating Manual: Supplied
- Other Service requirements: Bottled O₂/N₂, Propane
- Requires OI

Sd/-
HoD, CBD

INDIAN PLYWOOD INDUSTRIES RESEARCH AND TRAINING INSTITUTE

Post Bag No.2273, Tumkur Road, Bangalore - 560 022

CHECK LIST TO AVOID REJECTION OF THE TENDER

(To be submitted along with Part I)

- 1) Have you submitted your Tender Document, Part I-Technical competence Bid and Part II-Quantity and Price Bid in two separate Sealed Covers “**DULY SUPERSCRIBED WITH TENDER NUMBER, NAME OF THE ITEM AND TENDER PART I-Technical competence bid OR PART II-Quantity and Price bid?**”

YES/NO

- 2) Have you submitted your offer under Part I-Technical competence bid as per format given in a Annexure II ?

YES/NO

- 3) Have you submitted the EMD amount as specified in the tender specification along with Part I?

YES/NO

- 4) Have you answered all the points mentioned in Criteria I (a) to (c) under Part I – Technical competence bid and Criteria II (A) and (B) under Part II – Quantity and Price bid as described in Notice Inviting Tenders and enclosing copies of the documentary evidence wherever required?

YES/NO

- 5) Have you furnished Design details, Technical Specifications etc. along with Part II-Quantity and Price bid ?

YES/NO

- 6) Have you duly filled in and submitted **1.**Letter of acceptance **2.**Under taking to be given by the tenderer **3.** Payment and Penalty in Part II?

YES/NO

Date:

Signature of the tenderer with seal

If the answer is negative for any of the above Items, your offer is liable for rejection, which may please be noted.

NB One copy of the above checklist duly answered may please be Returned along with the offer in Part I – Technical bid