

**Enquiry No. IIITDMJ/P&S/Enq./12**

**Date: 24-07-2015**

**Sub: Invitation of Tender/Quotation for the Supply of followings items:**

**1. Lab Experiment Items**

- a) Flicker Fusion System (01 No.) Annexure 1
- b) Anthropometric (01 No.) Annexure 2
- c) Torque Meter(01 No.) Annexure 3
- d) Purdue Pegboard (01 No.)
- e) Reactor Timer (01 No.) Annexure 4
- f) Hole Steadiness tester (01 No.) Annexure 5
- g) Minnesota manual dexterity(01 No.) Annexure 6
- h) Two arm co-ordination test(01 No.) Annexure 7
- i) Hydraulic pinch test(01 No.) Annexure 8
- j) Hydraulic grip dynamometer(01 No.) Annexure 9
- k) Polar heart rate monitor(01 No.) Annexure 10
- l) Human Skeleton(01 No.) Annexure 11

Sealed Tenders are invited by the Registrar, PDPM Indian Institute of Information Technology, Design & Manufacturing Jabalpur for Supply of following items:

**2. Lab Experiment Items**

- a) Flicker Fusion System (01 No.) Annexure 1
- b) Anthropometric (01 No.) Annexure 2
- c) Torque Meter(01 No.) Annexure 3
- d) Purdue Pegboard (01 No.)
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- l) Human Skeleton(01 No.) Annexure 11

The tender No., closing and opening date of received quotations are as follows:

Tender No. IIITDMJ/P&S/Enq/12	Dated : 24-07-2015
Closing Date & Time: 18.08.2015 at 3.00 PM	
Date & Time of opening of Tender: 18.08.2015 at 4.00 PM	

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### **General Terms and Conditions:**

1. Sealed pack quotations are invited from original manufacturers or their authorized dealers having distributorship and service center.
2. **The bid: should be in two parts:**
  - (a) **Techno Commercial Bid:** Consisting of technical details & prices complying with the required technical specifications mentioned in Annexures.
  - (b) **EMD:** The bidder must submit the EMD (bid security). If the EMD is not found valid in terms of amount and period-wise or otherwise, quotation of the bidder will stand invalid.  
The quotation and EMD should be sealed by the bidder in a cover duly super scribed.
3. **Rates:-** Rates quoted should be in Indian Rupees(INR) on FOR destination at PDPM-IIITDM, Jabalpur on **DOOR Delivery basis**, inclusive of all the charges, with break up as:-
  - (i) Basic cost
  - (ii) Installation charges (if any)
  - (iii) VAT/CST as applicable
  - (iv) Total FOR at IIIT, Jabalpur**Note:- If the breakup is not given, it will be assumed that the quoted rates include all admissible taxes, transportation charges and installation charges.** VAT will be deducted at source as per Madhya Pradesh VAT Act.
4. PDPM-IIITDM, Jabalpur is registered with DSIR, Govt. of India(Custom Duty Notification No. 51/96-Custom dt:- 23<sup>rd</sup> July 1996 and Central Excise Duty Notification no. 10/97-Central Excise Dt: 1<sup>st</sup> March 1997) and it therefore, exempted from Excise Duty and partial exempted from Custom duty. Exemption certificate of the same shall be issued, to successful bidder if needed.
5. Payment will be released 90% on delivery and 10% against satisfactory installation/ inspection report.
6. **Only one specific model/make of the quoted item satisfying complete technical specifications should be mentioned. No option should be given. Quoting of options will lead to disqualification.**
7. The quantity given is tentative and Institute reserves the right to change the quantity as per its requirement at any stage. Further, the Institute reserves the right to place order either of all the items or only some of the above items. The supplier shall have no right to claim any compensation in such case. Bidder may quote any or all of the items.

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8. The supplier is to submit earnest money deposit (EMD) of Rs. 20,000/- (Rupees Twenty thousand only) with their sealed quotation. Quotation without earnest money deposit shall be summarily rejected.
9. The earnest money deposit(EMD) should be in the form of Demand Draft/FDR in favour of PDPM-IIITDM payable at Jabalpur. The EMD should remain valid for a period of 45 days beyond the final tender validity period.
10. Validity of quotation should be minimum 90 days from the date of opening of quotation. The overall offer for the assignment and tenderer(s) quoted price shall remain unchanged during the period of validity. If the tenderer quotes the validity shorter than the required period, the same shall be treated as unresponsive and it may be rejected.
11. In case the tenderer withdraws, modifies or change his offer during the validity period, bid is liable to be rejected and the earnest money deposit shall be forfeited without assigning any reason thereof. The tenderer should also be ready to extend the validity, if required without changing any terms and conditions etc. of their original tender.
12. The bidder shall submit one copy of the tender document and addenda thereto, if any, with each page of this document should be signed and stamped to confirm the acceptance of the entire terms & conditions as mentioned in the of the tender enquiry document.
13. Conditional bid will be treated as unresponsive and it may be rejected.
14. In case the supplied item(s) has deviation(s), and is/are accepted by the Institute, amount proportionate to deviation as decided by the Institute would be deducted. In case it is found at a later stage that the items internal structure/specification do not conform with the specification in the tender document, bank guarantee will be forfeited and the firm/supplier will be liable to be blacklisted for participating in future tender process for at least one year.
15. **Delivery Period :** Delivery of all the items should be completed within 4 weeks from the date of receipt of firm order. **No other delivery period longer than that given by the Institute will be accepted and if quoted by the tenderer will lead to technical disqualification of the firm.**
16. **Penalty for delayed Delivery:**  
In the event of delayed delivery, Installation & Commissioning i.e. after the expiry of the period as mentioned in P.O., the vendor shall be liable for a penalty deduction at a

17/12/14

percentage of the value of the undelivered equipment subject to a maximum of 7.5% as detailed below:

- @ 1% up to one week;
- @ 2.5% up to two weeks;
- @ 5% up to three weeks;
- @ 7.5% for four weeks and above

For the purpose of this clause, part of the week is considered as a full week.

17. The quotations should be completed in all respects and cover the cost for the materials of the exact specification and descriptions of the stores as per the annexure, otherwise the same shall be ignored.
18. **Authorization Certificate:** The authorized dealer/agent/distributor has to submit valid authorized Agent/Dealership Certificate issued by their principal.
19. **Warranty/Guarantee:** Bid should be quoted with one(01) year comprehensive on-site warranty/guarantee as per specification of the respective items in the annexures and will start from the date of satisfactory installation/commissioning, against any defect of manufacturing, workmanship and poor quality of components supplied items. During warranty/guarantee period the purchaser will not bear the cost of the item (s), which may come as replacement of the original stores or spares as a result of faults noticed at the time of inspection during the warranty period. The Seller/Local Agent is required to eliminate the fault(s) occurring during the Warranty period without delay by improvement or replacement as may be necessary, at their own cost. During warrantee period, the supplier should ensure a maximum downtime of 72 hours from the date/time of the complaint lodge about the item. The supplier must provide after sales service facility on site during warrantee period.
20. **Performance Bank Guarantee:** During Warranty Period supplier has to submit PBG @ 5% of the total cost of the items supplied in the form of Bank Gurantee/FDR payable at Jabalpur. PBG will be valid for a period of 60 days beyond the date of completion of warrantee.
21. **Inspection & Testing:** Goods will be inspected by the purchaser at his end. Goods rejected on inspection will be replaced by the supplier of cost and all charges for collection and delivery of the same to the Purchaser will be on suppliers account.
22. Any attempt of negotiations direct or indirect on the part of the tenderer with authority to whom he has submitted the tender unless called by the competent authority or any endeavor to secure any interest for an actual or prospective tenderer or to influence by

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any means, the acceptance of particular tender will render the tender liable to exclusion from consideration.

23. **Eligibility Criteria:** A bidder must have proven track record in supplying the specified items/similar items to the educational institutions/reputed organizations and should be financially sound and should have own showroom & service centre.
24. The Institute reserves the right to reject any or all bids without specifying any reasons thereof.
25. All disputes/arbitration should be within the jurisdiction of Jabalpur
26. Kindly enclose pamphlet/brochure of the company along with the quotation showing complete details, technical specifications and quality of the items.
27. Sealed quotation, mentioning "Tender No. IIITDMJ/P&S/Enq./12" at the top of the envelop, should reach on or before 3.00 PM on 18.08.2015 to the Registrar PDPM-IIITDM Jabalpur, Dumna Airport Road, Post: Khamaria, Jabalpur (M.P.) Pin-482005.
28. Techno Commercial bid will be opened at **4.00 PM** same day (**18.08.2015**). In case of holiday, technical commercial bid will be opened at the same time on next working day.

*(Signature)*

**Rizwan Ahmed**  
**Assistant Registrar (P&S)**

## Instrument Specification Lists

### **FLICKER FUSION SYSTEM**

#### **Specification**

- Portable power supply via USB port
- Handheld/ Palm top
- Flicker rates from 10 to 100 Hertz in 0.1 Hertz intervals with a duty cycle of 50%.
- Visual angle to stimuli is 1.2°
- Light/Dark Ratio: 1:1
- Stimulus Color: White

*30/01/2015*

## **Anthropometric Set Specifications**

- Sliding caliper
- small bone caliper
- Segmometer
- Headsquare
- Retractable Centimetre Measuring Tape
- Slim Guide Skinfold Calipers

*Agarwal*  
30/01/2015

## Torque meter

### Specifications

- Overload protection:-150%
- Sample Diameter Range (min to max):- 10 - 190 mm
- Overload display:-Display "OVR" on LCD (blinking on/off)
- Main display:-4-digit LCD display Character height 12mm
- Sub display:-3-digit LCD display Character height 7mm
- Comparator display:-Hi, GO, Lo LED Indicators
- Accuracy:- $\pm 0.5\%$  full scale
- Open mode:-Max vale when opening. Displays max counter clockwise torque.
- Close mode:-Max value when closing. Displays max clockwise torque
- Average mode:-Real time display. Displays max torque in real time
- Display Update Time:-1, 2, 4 or 8 updates/second, user-set
- Sampling Rate:-1000 times/second
- Memory data number:-1000 data points (max)
- Statistical process:-Average value, max value and min value
- Data output:-USB 1.1
- PC software:-Digitorque software or any other software
- Accessories:-USB cable, AC adapter, 30mm chuck pin (4pcs), Manual
- Power:-Built in nickle hydride battery or Auto-ranging AC adapter (AC100 - 240V)
- Operation Temperature:-32 - 104°F (0 - 40°C)
- Battery Life:-8 hours after full charge
- Battery Recharge Time:-Max. 16 hours
- Battery Type:-NiMH
- Warranty:-2 Years
- AMC:- 3 yrs

*Ans 2P*  
30/01/2015



## Instrument Specification Lists

### Reaction Timer

#### Specification

- Measuring reaction time of Light, sound in sec and miliseconds along with touch stimule
- Digital readout,
- Hand switch and foot switch
- Battery

*[Signature]*  
12/2/15

## Instrument Specification Lists

### **HOLE TYPE STEADINESS TESTER**

#### **Specification**

- 9 progressively smaller hole sizes
- Score counter & Fault counter
- Audible tone and visual red indicator
- Battery Life: Researchable

*Jan 2015*  
*12/2/15*

## Minnesota Manual Dexterity Test Specification

- Folding board and 40 test pieces are constructed of durable plastic.
- Two-sided, colored discs are turned, moved and placed in prescribed positions for each test.
- Measures bilaterally or each hand independently.
- Board folds for storage and portability.
- A plastic carrying case, evaluation instructions and normative data are included.

*[Signature]*  
30/01/2015



## **Two arm coordination test**

There is no specification

## Hydraulic pinch test

### Specifications

- Peak force needle remains at the maximum until reset.
- Dual scale shows pounds and kilograms
- Handy carrying case and one-year warranty

*[Signature]*  
30/01/2015

## Hydraulic grip Dynamometer Specifications

- Protective carrying case
- Dual-scale readout displays isometric grip force from 0-90kg.
- Peak-hold needle automatically retains the highest reading until reset.
- Handle easily adjusts to five grip positions

*Star 2p*  
30/01/2015



## Heart Rate Monitor

### Specifications

- Digital display
- Memory
- Time, date
- Intelligent training counter
- Instantaneous Heart rate
- Energy expenditure
- HR as percentage of maximum
- Wearable

*Signature*  
30/01/2015

## Human skeleton (synthetic)

### Specifications

- Size: 170cm
- Synthetic plastic
- Portability
- Hook at the top of the bracket to hold the model
- Disassemble and assemble joints
- Features nerve branches, vertebral artery and herniated lumbar disc
- Skull includes movable jaw, cut calvarium, suture lines
- Mounted on a sturdy wide metal base

*[Signature]*  
30/01/2015