

TENDER

FOR

SUPPLY & INSTALLATION OF GAS SENSOR DETECTION  
AND ANALYSIS SYSTEM FOR SCHOOL OF ENGINEERING,  
IIT MANDI



**Tender No.: IITMANDI/Admin/PUR-156/2014-15/7581-82**

**Tender date: 18<sup>th</sup> February, 2015**

**Last Date of submission: 10<sup>th</sup> March, 2015**

Indian Institute of Technology, Mandi

Transit Campus: Mandav Hotel, 2<sup>nd</sup> Floor (Near Bus Stand), Mandi – 175001 (H.P)

**Tel.:** 01905-237929

**Email:** [viswa@iitmandi.ac.in](mailto:viswa@iitmandi.ac.in)

Indian Institute of Technology Mandi, Mandi invites tender for supply, erection & installation, of **Gas Sensor Detection And Analysis System**, as per specifications given in the Annexure attached to the Tender form. All offers should be made in English and should be written in both figures and words. Tender forms can be downloaded from the website (<http://iitmandi.ac.in/administration/tenderseoi.html>) of the Institute.

The bidders are requested to read the tender document carefully and ensure compliance with all specifications/instructions herein. Non-compliance with specifications/instructions in this document may disqualify the bidders from the tender exercise. The Director, IIT Mandi, Kamand reserves the right to select the item (in single or multiple units) or to reject any quotation wholly or partly without assigning any reason. Incomplete tenders, amendments and additions to tender after opening or late tenders are liable to be ignored and rejected.

**Terms and Conditions:**

1. The technical and financial bids should be quoted separately and put in different sealed envelopes marked **“Technical bid”** or **“Financial bid”** as applicable. These separate bids envelopes are to be put in an outer envelope which should also be sealed.
2. The Vendors who have earlier supplied the equipment to any of the IITs, IISc, IISERs and other Scientific Institute of National Repute may only tender. The details of such institutions and the cost with name of equipment may also be supplied with the bids.
3. The technical and financial bids should be submitted in original. The financial bid should include the cost of main equipment/item and its accessories. If there is any separate cost for installation etc. that should be quoted separately.
4. Each individual sealed envelope as well as the outer envelope should be marked with the following reference on the top left hand corner: **“IITMANDI/Admin/PUR-156/2014-15/7581-82/Item Name.\_\_\_\_\_ dated 18.02.2015”**
5. The printed literature and catalogue/brochure giving full technical details should be included with the technical bid to verify the specifications quoted in the tender. The bidders should submit copies of suitable documents in support of their reputation, credentials and past performance.
6. The rates should be quoted in figures (typed or printed) and cutting should be avoided. The final amount should be in figures as well as in words. If there are cuttings, they should be duly initialed, failing which the bids are liable to be rejected.
7. Any bids received after **1:00 P.M. on 10<sup>th</sup> March, 2015** shall not be considered
8. The Technical Bids will be opened on **10<sup>th</sup> March, 2015 at 04:00 P.M.** The date & time for opening of Financial Bids will be informed later to the technically qualified bidders.
9. While sending rates, the firm shall give an undertaking to the effect that *“the terms/conditions mentioned in the enquiry letter/Tender Notice against which the rates are being given are acceptable to the firm.”* In case the firms do not give this undertaking, their rates will not be considered.
10. If the supplier/firm is original equipment manufacturer (OEM)/authorized dealer/sole distributor of any item, the certificate to this effect should be attached.
11. The quantity shown against the item is approximate and may vary as per demand of the Institute at the time of placing order.
12. All tender documents should have to be sent through courier, speed post or registered post only. All tender documents received after the specified date and time shall not be considered.

The postal address is:

**“Assistant Registrar, Stores and Purchase”  
Indian Institute of Technology Mandi (IIT Mandi),  
Administrative Block (Mandav Hotel),  
Near Bus Stand), Mandi – 175001 (H.P), India”**

13. In the event of any dispute or difference(s) between the vendee Institute (IIT Mandi) and the vendor(s) arising out of non-supply of material or supplies not found according to specifications or any other cause whatsoever relating to the supply or purchase order before or after the supply has been executed, shall be referred to “The Director, IIT Mandi”, Kamand who may decide the matter himself or may appoint arbitrator(s) under the arbitration and conciliation Act, 1996. The decision of the arbitrator shall be final and binding on both the parties.
14. The place of arbitration and the language to be used in arbitral proceedings shall be decided by the arbitrator.
15. All disputes shall be subject to Mandi Jurisdiction only.
16. All tenders in which any of the prescribed conditions is not fulfilled or any condition is put forth by the tenderer shall be summarily rejected.
17. The bidders or their authorized representatives may also be present during the opening of the Technical Bid, if they desire so, at their own expenses.

**Note:** Price bids of only those bidders will be opened whose technical bids are found suitable by the committee appointed for the purpose. Date and time of opening of price bids will be decided after technical bids have been evaluated by the committee. Information in this regard will be posted on Institute’s web site / Notice board. In exceptional situation, an authorized committee may negotiate price with the qualified bidder quoting the lowest price before awarding the contract.

**18. Clarifications:**

In case the bidder requires any clarification regarding the tender documents, they are requested to contact our office (e-mail: [viswa@iitmandi.ac.in](mailto:viswa@iitmandi.ac.in) , [aditi@iitmandi.ac.in](mailto:aditi@iitmandi.ac.in) & [arsp@iitmandi.ac.in](mailto:arsp@iitmandi.ac.in) ) on or **before 02/03/2015**.

**19. Tender Cost:**

A Demand draft of **Rs. 1,000/- (Rupees One Thousand only)** towards non-refundable **tender fee, for each item being quoted, drawn in favour of “The Registrar, IIT Mandi”** payable at Mandi should accompany the Technical bid documents. If the same firm is submitting bids for more than one instrument, they should submit the same in separate envelopes along with respective tender cost for each. In the absence of tender cost, the tender will not be accepted.

**20. Earnest Money Deposit (EMD):**

A refundable amount @ 2% of the quoted price as earnest money deposit (EMD) in the shape of DD from Nationalized banks in India (**valid for a minimum period of 3 months from the date of submission of tender**). The DD should be drawn in favour of “The Registrar, IIT Mandi” payable at Mandi should accompany the bid documents. The EMD should be kept in a separate sealed envelope, should be marked clearly and put in the outer envelope that contains the technical and financial bid envelopes. The bidders should enclose a pre-receipted bill for the EMD to enable us to return the EMD of unsuccessful bidders. Failure to deposit **Earnest Money in each case** will lead to rejection of tender. In the event of the awardee bidder backing out, EMD of that bidder will be forfeited.

## 21. Pre – Qualification Criteria:

- a) Bidders should be the manufacturer/ authorized dealer. Letter of Authorization from original equipment manufacturer (OEM) on the same and specific to the tender should be enclosed.
- b) An undertaking from the OEM is required stating that they would facilitate the bidder on a regular basis with technology/product updates and extend support for the warranty as well.
- c) OEM should be internationally reputed Branded Company.
- d) The Vendors who have earlier supplied the equipment to any of the IITs, IISc, IISERs and other Scientific Institute of National Repute may only tender. The details of such institutions and the cost with name of equipment may also be supplied with the bids
- e) Non-compliance of tender terms, non-submission of required documents, lack of clarity of the specifications, contradiction between bidder specification and supporting documents etc. may lead to rejection of the bid.
- f) **Furnishing of wrong/ambiguous information in the compliance statement may lead to rejection of bid and further black listing of the bidder, if prima-facie it appears that the information in the compliance statement was given with a malafide/fraudulent intent.**

## 22. Prices:

- a) The Prices quoted should be inclusive of all taxes or duties, packing, forwarding, freight, insurance, delivery and commissioning etc. at destination site (IIT Mandi, Mandi). IIT Mandi is registered with DSIR, Govt. of India and is exempted from Custom / Excise Duty. Exemption Certificate to this effect will be issued by IIT Mandi. **Hence, Customs/Excise Duty exempted price should be quoted.** The rates shall be firm and final. Nothing extra shall be paid on any account. **In the price bid/financial bid, the vendor should clearly mention the final price breakup i.e. ex-work price/FCA price, FOB price, CIP/CIF price & FOR IIT Mandi, Kamand Campus price, as applicable in their bid.**
- b) In case of imported equipment(s)/item(s), the agency commission, if any, payable in Indian rupees should be mentioned separately. For imported equipment, the Letter of Credit will be opened for the amount excluding agency commission in Indian Rupees. The firm should clearly mention the address of foreign bank in the financial bid.

## 23. Validity:

The bid should be valid for acceptance up to a period of 180 Days. The Bidders should be ready to extend the validity, if required without any additional financial implications.

## 24. Delivery:

The Equipment should be delivered and installed within the period as specified in the purchase order and be ready for use within 24 weeks of the issue of purchase order unless otherwise prescribed. If the bidder fails to deliver and place any or all the Equipments or perform the service by the specified date, penalty at the rate of 1% per week of the total order value subject to the maximum of 10% of total order value will be deducted.

## 25. Training:

Bidders need to provide adequate training to the nominated persons of IIT Mandi at their cost. IIT Mandi will not bear any training expenditure.

## 26. Warranty Declaration:

Bidders must give the comprehensive on-site warranty as required from the date of successful installation of Equipment against any manufacturing defects and also give the warranty declaration that *“everything to be supplied by us hereunder shall be free from all defects and faults in material, workmanship and shall be of the highest quality and material of the type ordered, shall*

*be in full conformity with the specification and shall be complete enough to carry out the experiments, as specified in the tender document.*

Any deviation in the material and the specifications from the accepted terms may liable to be rejected and the bidders need to supply all the goods in the specified form to the satisfaction / specifications specified in the order / contract and demonstrate at their own cost.

**27. Performance Bank Guarantee:** A performance bank guarantee from a scheduled bank in India for an amount equal to 10% of the price for duration of two months beyond the expiry of warranty period will be taken from the supplier or Indian agent.

**28. Terms of Payment:**

Payment will generally be made only after delivery and satisfactory installation, testing, commissioning etc. **This must be specified in the tender/quotation.**

- In case of imported supplies, payment (excluding Indian agency commission, if any) will be made through irrecoverable Letter of Credit in two installments. 80 % of the money will be released on submission of shipping of documents. Remaining 20 % will be released after successful installation of the instrument and submission of a performance bank guarantee for 10% of the order value from a nationalized bank, valid for 2 months beyond the expiry of the warranty.

**29. Tender expenses and documents:**

All costs incurred by the bidder in the preparation of the tender shall be at the entire expense of the bidder.

**30. Tender Evaluation Criteria:**

The technical bids will be opened and evaluated by a duly constituted committee. After evaluation of the technical bid, the financial bid for only those offers which have qualified in the evaluation of technical bid will be opened.

**31. Return of EMD:**

- The earnest money of unsuccessful bidders will be returned to them without any interest within 30 working days after awarding the contract.
- The earnest money of the successful bidder will be returned to them without any interest within 30 Days after supply of material

**32. Manual and documentation:**

All the manuals necessary for operating and servicing the equipment (including details of electronic circuits) will have to be provided along with the instrument.

**33.** Bidders should go through the tender terms, conditions and specifications carefully and fill in the attached compliance statement accurately and unambiguously. They should ensure that all the required documents are furnished along with the bid.

Sd/-  
**Assistant Registrar  
Stores & Purchase**

## BID PARTICULARS

1. Name of the Supplier :

2. Address of the Supplier :

3. Availability of demonstration of equipment: Yes / No

4. Tender cost enclosed: : Yes/No if yes

D.D. No. \_\_\_\_\_ Bank \_\_\_\_\_ Amount \_\_\_\_\_

5. EMD enclosed : Yes / No if Yes

D.D. No. \_\_\_\_\_ Bank \_\_\_\_\_

6. Name and address of the Officer/contact person to whom all references shall be made regarding this tender enquiry.

Name :

Address :

Telephone No. :

Fax No. :

Mobile No :

e-Mail :

Web :

## Annexure 1

**Ref:-ENQUIRYNO:-IITMANDI/Admin/PUR-156/2014-15/Item No. 1/Mass Flow Controller**

**Mass Flow Controller: (Quantity 4) for the following gases with cylinders for each gas**

- 1) Ar/ Nitrogen inert carrier gas (0- 500 sccm or more)
- 2) Carbon dioxide (0 – 500 sccm or more)
- 3) Carbon monoxide (0-200 sccm or more)
- 4) Hydrogen sulfide (0-200 sccm or more)
- 5) 1-Channel Power Supply and Readout
- 6) Cable: 17# 2 meters to read out box
- 7) Fitting: 1/4" SW |
- 8) Accuracy:  $\pm 1$  % FS
- 9) Seals: viton
- 10) Input/Output Signal: 0-5V
- 11) Standard Operating Pressures at inlet can range between 10 to 75 psig, ( 25 psig is preferable)

**COMPLIANCE STATEMENT FOR THE TENDER SPECIFICATIONS**  
**INDIAN INSTITUTE OF TECHNOLOGY MANDI HIMACHAL**  
**PRADESH-175001**

Ref:-ENQUIRY NO:-**IITMANDI/Admin/PUR-156/2014-15/Item No.1/Mass Flow Controller**

**Instructions**

1. You have to fill in all columns and ensure that you furnish all the required information accurately and unambiguously.
2. If our specification contains any values, you have to provide your values against the column in the same unit as we have specified.
3. Deviation in values, materials etc. from our specification may be explained in the remarks column

<b>S. NO</b>	<b>Check list of documents/ Undertakings ?</b>	<b>YES/ NO</b>	<b>Remarks (Give explanation if answer is No)</b>
1	Is Tender fees attached?		
2	Is EMD attached? (if applicable)		
3	Is the bidder original equipment manufacturer (OEM)/authorised dealer?		
4	If authorised dealer, recent dated certificate to this effect from OEM, attached or not?		
5	Undertaking from OEM regarding technical support & extended warranty period		
6	Validity of 180 days or not?		
7	Undertaking from bidder regarding acceptance of tender terms & conditions		
8	Whether list of reputed users (along with telephone numbers of contact persons) for the past three years specific to the instrument attached.		
9	Whether special educational discount for Indian Institute of Technology (IIT) Mandi (H.P) given.		
10	Whether training of operator and research students without any charges offered.		
11	<b>Does the instrument complies with all the specifications from S. no. 1 to 11. Attach a separate sheet showing compliance with the specifications and explanations thereto if the equipments varies from the requested specifications.</b>		
12	Whether free Installation, Commissioning and Application Training offered.		
13	Whether required comprehensive onsite extended warranty offered.		
14	Whether Annual maintenance after expiry of comprehensive onsite warranty quoted separately as optional.		



## Annexure 2

**Ref:-ENQUIRYNO:-IITMANDI/Admin/PUR-156/2014-15/Item No. 2/ Digital Source Meter**

**Technical specification for Digital Source Meter**

No. of channels: 2 (independent) bipolar.

**1) Sourcing Capabilities:**

Output power: 30 W (or more) per channel.

**2) Current Sourcing capabilities**

- **Range:**  $\leq 100 \text{ nA}$  to  $\geq 3 \text{ A (DC)}$  and **10A (Pulse)** sourcing capability on each channel.
- **Resolution:** Better than 2pA for less than 100 nA, better than 20 pA for less than 1 uA, better than 200 pA for less than 10 uA, better than 2 nA for less than 100 uA, better than 200 nA for less than 10 mA, and better than 20 uA for higher range.
- **Settling time:** Less than 20 ms (or better) up to 100 nA, less than 600 us (or better) for current upto 1 uA, less than 300 us (or better) for current upto 100uA and less than 100 us (or better) for current upto 3A.

**3) Current measurement capabilities:**

- **Range: from 100 nA (or less) to 3 A (or more, DC) and 10 A (or more, Pulse)**
- **Resolution:** Better than 100 fA for less than 100 nA, better than 1 pA for less than 1uA, better than 10 pA for less than 10 uA, better than 100 pA for less than 100 uA, better than 1 nA for less than 1 mA, better than 10 nA for less than 10 mA, better than 100 nA for less than 100 mA, better than 1 uA for less than 1.5A and better than 20 uA for higher range.

**4) Voltage sourcing capabilities:**

- **Range:**  $\leq 200 \text{ mV}$  to  $\geq 200 \text{ V}$
- **Resolution:** Better than 5 uV for less than 200 mV, better than 20 uV for upto 2 V, better than 150 uV for upto 20 V and less than 2 mV for higher range.
- **Settling time:** Less than 100 us for upto 200 mV, less than 150 us for upto 20V and less than 1 ms for higher voltages

**5) Voltage measurement capability:**

- **Range:**  $\leq 200 \text{ mV}$  to  $\geq 200 \text{ V}$
- **Resolution:** Better than 120 nV for upto 200 mV, better than 1 uV for upto 2 V, better than 10 uV for upto 20 V and better than 100 uV for higher range.
- Input impedance:  $>10 \text{ G}\Omega$
- Measurement time: less than 1 ms

**6) Ohmic Range**

$\leq 5\Omega$  to  $\geq 200 \text{ M}\Omega$

7) Computer/programming interface compatible with USB, LXI (LAN), GPIB. Preferably, compatible for Graph (I-V) display on instrument. 6 1/2 digits measurements resolution.

- 8) Provide breakup quotation for main equipment, accessories, GPIB cable, USB-to-GPIB interface Adapter for USB port and spares; and clearly mention the essential items, including software/driver etc, required to meet above specifications.

**COMPLIANCE STATEMENT FOR THE TENDER SPECIFICATIONS  
INDIAN INSTITUTE OF TECHNOLOGY MANDI HIMACHAL  
PRADESH-175001**

Ref:-ENQUIRY NO:-**IITMANDI/Admin/PUR-156/2014-15/Item No.2/ Digital Source Meter**

**Instructions**

1. You have to fill in all columns and ensure that you furnish all the required information accurately and unambiguously.
2. If our specification contains any values, you have to provide your values against the column in the same unit as we have specified.
3. Deviation in values, materials etc. from our specification may be explained in the remarks column

<b>S. NO</b>	<b>Check list of documents/ Undertakings ?</b>	<b>YES/ NO</b>	<b>Remarks (Give explanation if answer is No)</b>
1	Is Tender fees attached?		
2	Is EMD attached? (if applicable)		
3	Is the bidder original equipment manufacturer (OEM)/authorised dealer?		
4	If authorised dealer, recent dated certificate to this effect from OEM, attached or not?		
5	Undertaking from OEM regarding technical support & extended warranty period		
6	Validity of 180 days or not?		
7	Undertaking from bidder regarding acceptance of tender terms & conditions		
8	Whether list of reputed users (along with telephone numbers of contact persons) for the past three years specific to the instrument attached.		
9	Whether special educational discount for Indian Institute of Technology (IIT) Mandi (H.P) given.		
10	Whether training of operator and research students without any charges offered.		
11	<b>Does the instrument complies with all the specifications from S. no. 1 to 8. Attach a separate sheet showing compliance with the specifications and explanations thereto if the equipments varies from the requested specifications.</b>		
12	Whether free Installation, Commissioning and Application Training offered.		
13	Whether required comprehensive onsite extended warranty offered.		
14	Whether Annual maintenance after expiry of comprehensive onsite warranty quoted separately as optional.		

### **Annexure 3**

#### **Ref:-ENQUIRYNO:-IITMANDI/Admin/PUR-156/2014-15/Item No. 3/Gas Dilution System**

1. A computerized gas dilution system that automatically generates precise gas standards for rapid multi-point calibration of analyzers. The gas mixes can be used in generating precise gas calibration standards, creating gaseous atmospheres or producing gas mixes for analytical research.
2. Broad range of dilution ratios (up to 1,000:1) allows the user to significantly reduce the number of cylinders needed to perform compliance tests. Machine should allow multi-point calibration of analyzers and automatic calculation of dilution and span gas flows. Modular design should allow for additional gas circuits to be added.

#### **3. GAS DILUTION SYSTEM SPECIFICATIONS:**

- Performance Accuracy Concentration:  $\pm 1.0\%$
- Setpoint Flow:  $\pm 1.0\%$
- Setpoint Flow Repeatability:  $\pm 0.05\%$  setpoint
- Mechanical
- Inlets External  $\frac{1}{4}$ " Swagelok (or compatible fitting)
- Outlet External  $\frac{1}{4}$ " Swagelok (or compatible fitting)
- Wetted Surfaces Tubing: Electropolished Stainless Steel
- MFC's: Stainless Steel
- Seals: Viton / Kalrez/ Buna-N/Neoprene/ Metal
- Operating temperatures  $32^{\circ} - 122^{\circ} \text{ F}$  ( $0^{\circ} - 50^{\circ} \text{ C}$ )
- Performance temperatures  $59^{\circ} - 95^{\circ} \text{ F}$  ( $15^{\circ} - 35^{\circ} \text{ C}$ )
- Electrical 110 to 240 VAC, 50/60 Hz
- Electronics 12 Bit A/D and D/A Conversion RS232 Serial interface
- Software should be supplied
- Optional: Glass chamber

**COMPLIANCE STATEMENT FOR THE TENDER SPECIFICATIONS  
INDIAN INSTITUTE OF TECHNOLOGY MANDI HIMACHAL  
PRADESH-175001**

Ref:-ENQUIRY NO:-**IITMANDI/Admin/PUR-156/2014-15/Item No.3/ Gas Dilution System**

**Instructions**

1. You have to fill in all columns and ensure that you furnish all the required information accurately and unambiguously.
2. If our specification contains any values, you have to provide your values against the column in the same unit as we have specified.
3. Deviation in values, materials etc. from our specification may be explained in the remarks column

<b>S. NO</b>	<b>Check list of documents/ Undertakings ?</b>	<b>YES/ NO</b>	<b>Remarks (Give explanation if answer is No)</b>
1	Is Tender fees attached?		
2	Is EMD attached? (if applicable)		
3	Is the bidder original equipment manufacturer (OEM)/authorised dealer?		
4	If authorised dealer, recent dated certificate to this effect from OEM, attached or not?		
5	Undertaking from OEM regarding technical support & extended warranty period		
6	Validity of 180 days or not?		
7	Undertaking from bidder regarding acceptance of tender terms & conditions		
8	Whether list of reputed users (along with telephone numbers of contact persons) for the past three years specific to the instrument attached.		
9	Whether special educational discount for Indian Institute of Technology (IIT) Mandi (H.P) given.		
10	Whether training of operator and research students without any charges offered.		
11	<b>Does the instrument complies with all the specifications from S. no. 1 to 3. Attach a separate sheet showing compliance with the specifications and explanations thereto if the equipments varies from the requested specifications.</b>		
12	Whether free Installation, Commissioning and Application Training offered.		
13	Whether required comprehensive onsite extended warranty offered.		
14	Whether Annual maintenance after expiry of comprehensive onsite warranty quoted separately as optional.		

### **Annexure 3**

#### **Ref:-ENQUIRYNO:-IITMANDI/Admin/PUR-156/2014-15/Item No.4/ Desktop Computer System**

System with Intel core i5-4590 Processor 4<sup>th</sup> generation (Quad Core, 6MB, 3.30GHz w/HD4600 Graphics), 4 GB RAM, 500 MB HDD, DVD R/W, 1 GB Nvidia Geforce 620 graphic card, mechanical keyboard and optical mouse, Windows 7, 18” Screen, RS-232 Communication port (or optional USB/serial adapter).

**Note: Common for all the four items in the tender document**

1. Operation and service manual in English (electronic and hard copy) should be provided with all the equipments and components.
2. In the technical details, specify clearly about the kind of service/maintenance required for the system. Also mention that whether the service has to be carried out by a company engineer or it can be carried by trained service personnel within India.
3. The complete instrument should be under warranty for a period of at least one year from the date of installation. The vendor should be agreeable to enter into Comprehensive Annual Maintenance Contract with IIT Mandi at a reasonable price, for maintaining the equipment in proper working conditions, after the warranty period is completed.
4. The complete training of all measurement options should be free for IIT Mandi user staff/students members, onsite.
5. Enclose pre-installation guide for the details on electrical power, space and other for all components and essential accessories.
6. Bid should include all other essential auxiliary equipment and spares for its smooth operation for 3-5 years from date of installation (please provide list with the details).
7. All sample handling tool-kits/consumables should be provided. Wherever, consumables and other items required to handle the system while operating all measurement options, must be quoted separately for enough quantity.
8. Quote separately for all optional items/accessories, optical components and consumables which are not explicitly specified above however required for smooth functioning of the machines.
9. A list of institutes (with details) in India where the similar equipment (with all options in this tender) has been sold or is under operation should be provided. Prospective vendor should clearly mention the type of measurement options (along with the main system) supplied to these institutes.
10. The supplier must submit technical brochures and proper application notes adequately explaining and confirming the availability of the features in the model of the equipment being quoted. The supplier must submit a table indicating the compliance of the features of the model of the equipment being quoted with those given in the indent. Features not matching – must be clearly indicated. Additional features in the quoted equipment which are better than those in the indent – may be clearly explained.