

# OIL EXPELLER SYSTEM

## Notice Inviting Quotation (NIQ)

### Text of Newspaper Advertisement

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INDIAN INSTITUTE OF TECHNOLOGY DELHI

NEW DELHI-110016

Industrial Research & Development Unit

## Notice Inviting Quotation (NIQ)

This is a “Notice Inviting Quotation (NIQ)” for “Oil Expeller System for Castor/Mustard/Groundnut Oil” at project site at village Malunga, district Jodhpur, situated 37 km NW of Jodhpur city, Rajasthan. Systems for three capacities will be considered, i.e. for 10 T, 20 T and 30 T per day, with residual oil in cake not exceeding 7%. A final selection will be made for one of the three capacity systems. For complete specifications, details, terms and conditions, go to website <http://www.iitd.ac.in/tenders>, and look for “Oil Expeller System for Castor/Mustard/Groundnut Oil”.

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### **DETAILS AND INSTRUCTIONS:**

This is a “Notice Inviting Quotation (NIQ)” for “Oil Expeller System for Castor/Mustard/Groundnut Oil” at project site at village Malunga, district Jodhpur, situated 37 km NW of Jodhpur city, Rajasthan. Systems for three capacities will be considered, i.e. for 10 T, 20 T and 30 T per day, with residual oil in cake not exceeding 7%. A final selection will be made for **one** of the three capacity systems.

The terms and conditions for submitting the quotation are given below:

1. Outer sealed envelop should contain the “Technical Bid” and the “Financial Bid”, described in para 2 and 3 below. The following should be superscribed prominently on this outer cover, ‘QUOTATION for “OIL EXPELLER SYSTEM FOR CASTOR/MUSTARD/GROUNDNUT OIL”, RP02260’.
2. A separate sealed envelop containing the ‘Technical Bid’, giving the detailed technical specifications of items offered by you with ‘Technical Bid for “Oil Expeller System for Castor/Mustard/Groundnut Oil, for different capacities” RP02260’ superscribed on the envelop.
3. A separate sealed envelop containing the ‘Financial Bid’ giving detailed financial bid corresponding to the items specified in the technical bid, again superscribing the envelop with ‘Financial Bid for “Oil Expeller System for Castor/Mustard/Groundnut Oil,” RP02260’.
4. Authority of I.I.T. Delhi reserves the right to reject any or all quotations without assigning any reasons.

## **ELIGIBILITY**

- 1) At least 5 oil expeller units, specifically for Castor/Mustard/Groundnut, and at least 10 oil expeller units for all types of oil, including castor/mustard/groundnut, must have been supplied by your firms. Printed brochure/Order copies/other proof should be enclosed.
- 2) Oil expeller machine must be manufactured in-house by your firms.

## **SCOPE OF WORK**

The scope of work includes, design, fabrication, testing, transport to site, erecting, testing and commissioning of the plant described below as a turnkey job. Foundation for machinery is not in the scope. Steam and electric power will be available at one location. All internal piping and

cabling are included in the scope of this work. The electric points for all the machinery are included in the scope of work.

## **DETAILS TO BE INCLUDED IN 'TECHNICAL BID'**

1. Oil Expeller Systems for Castor/Mustard/Groundnut for **three** capacities, i.e. for 10 T, 20 T, 30 T per day will be considered, out of which **one** such system will be purchased, where 'T' is for 'Tonnes'.
2. Please note systems are categorized based on capacity, viz. 10 T/day, 20 T/day, 30 T/day. Each of these systems should be suitable for castor/mustard/groundnut oil.
3. You may quote for 10 T/day capacity system, 20 T/day capacity system, 30 T/day capacity system, **either** for **one** such system, **or** for **two** such systems, **or** for **three** such systems.
4. The 'Technical Bid' and 'Financial Bid' should be **separate** for **each** of the **three** systems.
5. If you are quoting for more than one system, do not use separate cover for 'Technical Bid' for each system but put them in the same envelop for 'Technical Bid'. Similarly do not use separate cover for the 'Financial Bid', for each of the Systems.
6. Do not include price in 'Technical Bid'.
7. General credentials of your firm with all commercial and governmental registration details.
8. Your general credentials for supplying oil expeller system, mentioning list of major items of oil expeller system that are made in-house by your firms.
9. List of organizations, with addresses and phone numbers, where such systems have been supplied by your firms.
10. It is also desirable that customer satisfaction letters, if available from customers, be attached.
11. Please specify the make of each item, including if the item or items that are made in-house by your firms, for **all** the items, corresponding to the broad specifications attached herewith.

## FINANCIAL BID

1. Please give 'Financial Bid' **separately** for **each** system quoted. However, put your bids in the same envelop as mentioned in '5' above.

## SUBMISSION AND OTHER DETAILS

- 1) Send in your quotation, along with other documents asked for, under sealed cover, to reach by 21 days of publication of the newspaper advertisement as above, or, last date as mentioned in Website NIQ, whichever is later, to the following address, and with the words "QUOTATION for OIL EXPELLER SYSTEM FOR CASTOR/MUSTARD/GROUNDNUT, RP02260", prominently written on the outer cover. **Do not send any document by email.**
- 2) The technical details and specifications of the equipment required by us are enclosed herewith.
- 3) Please indicate guarantees for Maintenance/Replacement/Servicing etc.
- 4) Delivery F.O.R., Installation and Commissioning to be done at Project Micro-Industry site at village Malunga, District Jodhpur, situated 37 km NW of Jodhpur city, Rajasthan.
- 5) Please indicate warranties for maintenance services of the supplied items.
- 6) Please indicate any educational discounts offered to IIT, Delhi, clearly, in your 'Financial Bid'.
- 7) Kindly send in your best priced quotation to:

PRINCIPAL INVESTIGATOR (RP02260)  
Head's Office, Room No. IV-236  
Department of Applied Mechanics  
Indian Institute of Technology, Delhi  
New Delhi-110016

## **SPECIFICATIONS FOR OIL EXPELLER SYSTEMS**

1. **System one** is for 10 T/day capacity, **System two** is for 20 T/day capacity and **System three** is 30 T/day capacity.
2. Each of the above systems should be capable of handling Castor/Mustard/Groundnut Oil seeds.
3. You may quote **either** for **any one** system above, **or** for **any two** systems above, or for all the **three** systems above.
4. Please draw up the details **separately for each system** for which you have quoted.
5. Residual oil in cake in each of the above systems must not exceed 7%.
6. Please specify the make of each item, including if the item or items are made in-house by you.
7. If the **basic oil expeller** unit or units are **not** manufactured in-house by your firms, your firm is **not eligible** to apply.
8. Broad details of component units for each system are given under headings 1 - 9 below. Please supply all the details asked for. Treat the entire system with all details 1 - 9, as **one turnkey job**. Hence, please treat the entire system as one unit upto and inclusive of 'Installation and Commissioning'. Hence, **only one price** figure should be given for the whole system as a turnkey job.
9. The details below are required separately for 10 T/day, 20 T/day and 30 T/day System. Hence the details are requested for XX/T day System. Please treat 'XX' as 10, or 20, or 30.

**COMPONENT UNITS/ITEMS FOR SYSTEM FOR XX T/DAY CAPACITY**

NOTE: 1. Please give, size, capacity, rating, make, and all other ancillary details, as applicable, for each of the items 1 – 9.

2. Additional details required, if any, are specified within the item heads 1 – 9.

<b>S. No.</b>	<b>DESCRIPTION OF GOODS/ ITEMS</b>
1.	<p><b><u>Oil Expeller</u></b></p> <p>Oil Expeller Single Chamber (nos. off with size, capacity), or Oil Expeller Double Chamber (with size/capacity) with necessary ancillaries :</p> <p>Heating Cooker, Motor, Switch, Starter, V- Belts, Foundation Bolts, Foundation Rails and all other necessary accessories.</p> <p>Capacity: XX T/day for Castor/Groundnut/Mustard, with residual oil in cake not exceeding 7% (specify in quotation).</p> <p>*(Details must cover Notes 1 &amp; 2 above)</p>
2.	<p><b>Filter Press</b></p> <p>With Size, Pump, Number of Plates, Filter Cloth, Filter Taps, Motor, Switch, Starter, and all other necessary accessories.</p> <p>*(Details must cover Notes 1 &amp; 2 above)</p>
3.	<p><b>Elevator-Bucket Type</b></p> <p>Complete with Chain, Buckets &amp; Sprockets, Bolts, Driving system, Motor, Switch, Starter. Mention Numbers off needed.</p> <p>*(Details must cover Notes 1 &amp; 2 above)</p>
4.	<p><b>Conveyor</b></p> <p>Conveyor System for automation, complete with all details including size, length, type, motors.</p> <p>*(Details must cover Notes 1 &amp; 2 above)</p>
5.	<p><b>Seed Cleaner</b></p> <p>Complete with all details including capacity, size, motor, switch, starter and all</p>

	<p>accessories.</p> <p>*(Details must cover Notes 1 &amp; 2 above)</p>
6.	<p><b>Neutralizer Refinery</b></p> <p>Complete with all details including capacity, size, motor, switch, starter and all accessories. Mention numbers off needed.</p> <p>*(Details must cover Notes 1 &amp; 2 above)</p>
7.	<p><b>Underground Storage Tank</b></p> <p>Complete with Numbers off, capacity, size, materials, gauge, thickness and all other details.</p> <p>*(Details must cover Notes 1 &amp; 2 above)</p>
8.	<p><b>Spare parts</b> (supplier to specify details with specifications)</p>
9.	<p><b>Installation and Commissioning</b></p> <p>Installation and Commissioning at Project Site at Village Malunga, Distt. Jodhpur, 37 Km NW of Jodhpur City.</p>

**Other Terms & Conditions:**

- 1) **Validity of the quotation required:** 90 days or more (specify).
- 2) **Warranty:** 1 year (also quote separately for extended warranty for additional 2 years).
- 3) **Transportation:** F.O.R. at village Malunga, District Jodhpur, situated 37 km NW of Jodhpur city, Rajasthan.
- 4) **Do not send your Quotation by email.**