



RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY

[Institute of National Importance established under the Act of Parliament]
Mubarakpur, Mukhtia, Bahadurpur Post: Harbanshganj, Jais, Amethi Pin Code- 229 304

Website: www.rgipt.ac.in

OPEN TENDER (OFFLINE MODE) HIGH SPEED DISPERSER WITH FINE TOOL

Type of Tender	OPEN TENDER
Tender No.& Date	RGIPT/JAIS/R&D/OFF-OPN/LAB/2020-21/12 Dated: 31.07.2020
Item Description	Procurement of HIGH SPEED DISPERSER WITH FINE TOOL
Tender Type (OFFLINE MODE)	Two Bid System: Tender should be submitted on the schedule to tender. (i) Techno-Commercial Bid and (ii) Financial Bid The Financial bid will be opened only of those firms, who will be found technically qualified after evaluation of their technical bids.
Earnest Money Deposit (EMD)	Rs.25500/- (Rupees Twenty Five thousand five Hundred only) –
Mode of Submission	Offline
Tender Date	31.07.2020 (Friday)
Last date of submission of Tender	27.08.2020 (Thursday) before 3.00 pm
Date & Time of Opening of Techno- Commercial bid	27.08.2020 (Thursday) at 4pm
Date & Time of Opening of Financial Bid	Will be announced later
Place of Opening of Tender	Conference Room, 2nd Floor, Rajiv Gandhi Institute of Petroleum Technology, Jais, Amethi, UP
Bid Address to the	The Director Rajiv Gandhi Institute of Petroleum Technology, Mubarakpur, Mukhtia, Bahadurpur, POST: Harbanshganj, Jais, Amethi – 229304
Technical Specification & Other conditions	Name: Dr. M S Balathanigaimani/Dr. Gunjan Kumar Agrahari Department: Chemical Engineering Email: msbala@rgipt.ac.in / gagrahari@rgipt.ac.in Contact Nos. +91 535 270 4502/4514, 9775885136

Sealed Tenders are invited from reputed Original Equipment Manufacturers/ Authorized Dealers for procurement of **HIGH SPEED DISPERSER WITH FINE TOOL** by the Rajiv Gandhi Institute of Petroleum Technology, Amethi- 229304 in **Two-Part Bid System** as per specifications mentioned below:

ITEM PARTICULARS

Item Description: HIGH SPEED DISPERSER WITH FINE TOOL

Technical Specifications of HIGH SPEED DISPERSER WITH FINE TOOL

S. No.	Component/Item		Description
1	Dispenser	Dispersing Instrument	For volumes from 0.25 - 30 L (H ₂ O) with digital LED speed display and error code display.
		Speed Range	500 – 10,000 rpm or better
		Speed Resolution	200 rpm or better
		High Circumferential Speeds	Should be able to work at high circumferential speeds for small rotor diameters
		Electronic Speed Control	Should be provided with rotating knob for adjusting the speed and electronic speed control with overload protection
		Liquid Viscosity Range	To be capable to work for liquids with widely varying viscosities upto 5000 mPas, with reproducible operation
		Power Requirements	– consume 1100 watts power or less – offer output power of 700 watts or better
		Speed Variation	<1 % during overload
		Protection & Overload	Should have protection and overload class of TWO
		Contamination Level	Should not increase beyond class 2
		Voltage & Frequency	220-240 V, 50 Hz
2	Fine Tool	Main Body	Stainless steel AISI 316 L dispersing element
		Stator Diameter	upto 45 mm
		Rotor Diameter	upto 40 mm
		Gap Between Rotor and Stator	0.5 mm or better
		Immersion Depth	70 – 250 mm
		Ph Range	2 – 13
		Solvent Compatibility	Should be suitable for most of the organic solvents and abrasive substances
		Maximum Working Temperature	180°C
		Fineness of Suspensions	10 – 30 µm
Fineness of Emulsions	1 - 10 µm		
3	Warranty & Maintenance		– 2-years warranty – After warranty optional 01-year maintenance

Note: A marking system will be used to evaluate the bids. The bid that receives more than the threshold mark fixed by the Purchase Committee will be considered for opening of Price Bid.

Place:

Date : Signature and seal of the Manufacturer/ Bidder

Technical Specifications Compliance Statement of “HIGH SPEED DISPERSER WITH FINE TOOL” should be submitted as per format given in Annexure – I (On the Company’s Letter Head)

Project Purchase Committee:

Dr. G K Agrahari
Chairman & PI

Dr. Amit Ranjan
Head, Department of CEES
& Member

Dr. Milan Kumar
Member

Dr. K G Biswas
Member
Secretary

Terms & Conditions

1. Tender filling up and submission

- a. Tender offer must refer Tender Enquiry No. RGIPT/JAIS/R&D/OFF-OPN/LAB/2020-21/10 Dated: 31.07.2020 The Tender should be in sealed envelope super-scribed **“HIGH SPEED DISPERSER WITH FINE TOOL to Rajiv Gandhi Institute of Petroleum Technology, Jais, Amethi.”**
- b. Tender must be submitted either by Speed/Registered post or dropped in the **tender box provided at 1st Floor, Administrative Building, Dispatch Section, Mubarakpur Mukhetia, Bahadurpur Post: Harbanshanj, Jais, Amethi- 229 304.**
- c. All prices must be quoted in Indian Rupees, both in figures and in words and the same will be considered for price comparison. Where there is a difference between the two, the rates given in words will be taken as authentic. Should there be any discrepancy between unit rate and amount, the unit rate will be considered as the correct one.
- d. The rates quoted **should include freight charges upto Jais, Amethi** clearly mentioning the percentage/rate of **GST** and the rates quoted should be valid for at least 60 days from the date of opening of the Tender. The **rates must be quoted both in figures and words** and over writing should be avoided. However all cuttings/corrections must be duly authenticated.
- e. The Tender submitted must not contain any ambiguity. Any such ambiguity in the quote submitted shall make it liable for rejection.
- f. Every page to Tender should be numbered and signed with seal by the bidder.
- g. The Tender document is not transferable.
- h. No amendment to the Tender in any form by the bidder will be permitted after opening of the Tender. No conditional offers shall be accepted.
- i. Submission of Tender will bind the bidder to the acceptance of all conditions specified in the Tender document.
- j. Canvassing in any form is for bidden and will be a criterion for disqualification.

2. Earnest Money Deposit (EMD): The Bid must accompany a crossed Demand Draft of Rs.25500/- (Rupees Twenty Five thousand five Hundred only drawn on any Scheduled bank and payable at BOB Jais, Campus branch in favor of “Rajiv Gandhi Institute of Petroleum Technology” for earnest money. No interest shall be paid on earnest money deposited.

- a) The EMD of the bidders will be returned after finally award of the Job to a successful bidder/ acceptance of the tender and within reasonable time not exceeding six months from the date of opening of Tender. The EMD will carry no interest.
- b) The EMD will be forfeited if the bidder withdraws his offer before finalization of the tender.
- c) In the case of foreign Bidders/Tenderers, the EMD shall be submitted either by the principal or by the Indian agent and in the case of indigenous Bidders/Tenderers; the EMD shall be submitted by the manufacturer or their specifically authorized Dealer/Bidder/Tenderer.

- d) The EMD shall be in Indian Rupees in the form of Demand Draft in favour of the Rajiv Gandhi Institute of Petroleum Technology payable at Bank of Baroda, RGIPT, Jais Campus Branch.
- e) The EMD should be submitted in its original form. Copies shall not be accepted.
- f) The firms registered with MSME, DGS&D & NSIC, if any, are exempted from payment of EMD provided such registration includes the item they are offering which are manufactured by them and not for selling products manufactured by other companies. (Latest Copy must be enclosed for claiming exemption).
3. **Performance Security:** The successful bidder will provide “Performance Security” for an amount of 10% of the contract value in the form of valid Account payee Demand Draft/ FDR from a scheduled bank favouring “Rajiv Gandhi Institute of Petroleum Technology” payable at RGIPT, Jais, Amethi Campus Branch. Performance security should remain valid at least for a period of 180 days beyond the date of completion of all contractual obligations of supplier **(Total Period of Performance Security in the form of FDR/Demand Draft – 5 Years plus 180 days)**. Thereafter the security will be returned, provided there is no defect in the equipment supplied.
4. **Bid Validity:** The bid must be valid for 180 days from the date of opening of Technical Bid.
5. **Certificate:** Copy of GST No. & PAN No. must be enclosed along with Tender.
6. **Payment terms:** 100% payment will be released after successful supply and installation of **HIGH SPEED DISPERSER WITH FINE TOOL** at site, i.e. Rajiv Gandhi Institute of Petroleum Technology, Jais, Amethi- 229 304 and subject to submission of your original GST Bill/ Invoice as certified by the Indenter.
7. **Price Validity:** The price quoted by the bidder shall remain valid till the supply is completed. During the tenure of the supply period, no price increase will be considered, except for change in statutory levies imposed by Central Govt. /state Govt. or Local authorities.
8. **Printed Conditions of the Company – Not Acceptable to the Institute:** RGIPT does not accept the printed conditions of any Tenderer. It will be ignored without any reference; hence tenderers should withdraw such printed conditions if they have any. RGIPT shall accept only unconditional tender.
9. **Warranty:** As specified in the technical specification.
10. **Delivery:** The timely delivery is the essence of contract. The supply should be completed with the specified delivery. **Delivery shall be completed within 60 days from the placement of Purchase Order.**
11. **Evaluation Criteria:** The order will be awarded to the vendor, who fulfills all the technical specifications & conditions mentioned in the Tender enquiry document for Technical Bid and whose rate is L1 in Grand total in Price Bid including **(Bidder must submit the technical bid & price bid separately)**.

12. Tender Acceptance and Rejection

- a. RGIPT reserves the right to reject the Tender without assigning any reason whatsoever.
- b. RGIPT does not bind itself to accept the lowest or any tender and reserves the right to reject any or all without assigning any reason.

13. Late Receipt of Tenders: The Tender received after the due date and time due to postal delay or any other reasons whatsoever will not be considered and no correspondence would be entertained in this regard. Any Tenders received by FAX will not be considered.

14. Liquidity Damage Clause: In case of any damages and delay in supply of material, liquidated damages at the rate of 0.5% of the order value per day of delay or part thereof, subject to a maximum of 5% of the order value shall be recovered from the vendor's bill/invoice.

15. Withdrawal of Tender: The Institute reserves the right to withdraw the tender at any stage of tendering process with the approval of the Competent Authority.

16. Replacements of Goods Broken, Damaged or Short: If whole or part of the goods/equipment supplied against the order is found defective/ non-functional or without specification the supplier will have to replace the defective goods/equipment to make equipment operational within a reasonable time (not exceeding two months from the date of intimation to the supplier or the Indian Agent), failure to which the supplier will have to refund the full cost of the equipment including freight, Insurance etc.

17. A Tender submitted with false information will not only be rejected but the vendor may also be debarred for participation in future tendering processes.

18. Authorized representative may choose to be present at the time of opening of Tender at their own cost.

19. Only one PRICE BID should be submitted for the above equipment. A bidder who submits more than one PRICE BID, shall be disqualified and considered non-responsive.

For Exemptions:-

1. For Customs duty exemption in terms of Govt. Notification No. 51/96- Customs dated 23.07.1996 & 28/03 Customs dated 01.03.2003 and Central Excise duty Exemption in terms of govt. Notification No. 10/97- Central Excise dated 01.03.1997 & 28/13- Central Excise dated 01.10.2013.
Institute DSIR Notification No. TU/V/RG-CDE(1083)/2016 dated:03.02.2017
2. For GST Exemption Notification No. 47/2017- Integrated tax (Rate).

Sd/-
Dr. G K Agrahari
(PI)

A. Checklist for submission of Tender (For Technical Bid)

Envelope -1

Sr. No.	Description	Enclosed/ Not Enclosed
	The EMD of Rs.25500/- (Rupees Twenty Five thousand five Hundred only must be attached with the Technical Bid in the form of Demand Draft favouring “Rajiv Gandhi Institute of Petroleum Technology” payable at BOB Jais, Campus. If the EMD is not attached, then the Tender will be automatically rejected.	
1	Copy of GST	
2	Technical Compliance Sheet – Annexure-1 (On the letter head of the Company)	
3	Price Reasonability Certificate – Annexure 2 (On the Letter Head of the Company)	

B. Checklist for submission of Tender (For Price Bid)

Envelope-2

Sr. No.	Description	Enclosed/ Not Enclosed
1.	Price Bid Format - Annexure-3 (On the letter head of the Company)	

Signature of the Bidder
With stamp

Date:

Technical Compliance Sheet of HIGH SPEED DISPERSER WITH FINE TOOL
(On the Letter Head of the Company)

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		Speed Range	500 – 10,000 rpm or better
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		High Circumferential Speeds	Should be able to work at high circumferential speeds for small rotor diameters
		Electronic Speed Control	Should be provided with rotating knob for adjusting the speed and electronic speed control with overload protection
		Liquid Viscosity Range	To be capable to work for liquids with widely varying viscosities upto 5000 mPas, with reproducible operation
		Power Requirements	– consume 1100 watts power or less – offer output power of 700 watts or better
		Speed Variation	<1 % during overload
		Protection & Overload	Should have protection and overload class of TWO
		Contamination Level	Should not increase beyond class 2
		Voltage & Frequency	220-240 V, 50 Hz
2	Fine Tool	Main Body	Stainless steel AISI 316 L dispersing element
		Stator Diameter	upto 45 mm
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		Gap Between Rotor and Stator	0.5 mm or better
		Immersion Depth	70 – 250 mm
		Ph Range	2 – 13
		Solvent Compatibility	Should be suitable for most of the organic solvents and abrasive substances
		Maximum Working Temperature	180°C
		Fineness of Suspensions	10 – 30 µm
		Fineness of Emulsions	1 - 10 µm
3	Warranty & Maintenance	– 2-years warranty – After warranty optional 01-year maintenance	

Note: A marking system will be used to evaluate the bids. The bid that receives more than the threshold mark fixed by the Purchase Committee will be considered for opening of Price Bid.

Please mention the brand and model no. & name of the equipment:

Date:

Signature of the Bidder with stamp

Annexure - 2

Price Reasonability Certificate
(On the Letter Head of the Company)

It is certified that the rates quoted against Tender No. Dated for the items vide our bid No.dated are exclusively for supply to ACADEMIC and RESEARCH Institutions and are not more than as charged to other Govt. /PSU's for similar supplies made in recent past. If they have been approved by the Director, RGIPT and if at any stage it has been found that the quoted rates are higher than the rates applicable to supply to Government then in such condition RGIPT, Amethi will have the right to cancel the approved rates and to take legal action against the bidder.

Yours Faithfully,

(Name of Manufacturers)

(Signature with Date)(Name and designation)

Duly authorized to sign tender for and on behalf of

Price Bid Format for HIGH SPEED DISPERSER WITH FINE TOOL
(On the Letter Head of the Company)

Si. No.	Item Description	Quantity Required	Unit Rate (INR)	Total Rate (INR)
1	HIGH SPEED DISPERSER WITH FINE TOOL (Technical Specification as per Tender Enquiry)	01		
	Sub Total			
	Add: Taxes (GST)* @5%			
	Add: Freight Charges			
	Grand Total (F.O.R, RGIPT, Jais Price)			

Note: Institute will provide GST exemption certificate.

Signature of the Bidder with stamp

Date:

Project Purchase Committee:

Dr. G K Agrahari
Chairman & PI

Dr. Amit Ranjan
Head, Department of CEES
& Member

Dr. Milan Kumar
Member

Dr. K G Biswas
Member
Secretary