

Office of the Dean of Research and Consultancy
Indian Institute of Engineering Science and Technology (IEST), Shibpur
P.O. Botanic Garden, Howrah-711 103, West Bengal, India

Project Code: DRC/SERB-DST/CHEM/LKA/004/20-21

Department of Chemistry
Indian Institute of Engineering Science and Technology, Shibpur
Howrah-711 103

Ref.: Tender Advt. No. CH 1649, dated 12.02.2021

Notice Inviting Quotations

Sealed quotations are invited for the supply of various fine chemicals. The relevant bidding document can be downloaded from the website. Last date of submission of sealed quotation is **10 working days from the date of publication by 5.00 p.m.**

Dean (R & C)

(A. Code DRC-T026/20-21)

This is downloadable

**INDIAN INSTITUTE OF ENGINEERING SCIENCE AND
TECHNOLOGY, SHIBPUR**



BIDDING DOCUMENT

(Project Code: DRC/SERB-DST/CHEM/LKA/004/20-21)

For Supply of

Various Fine Chemicals

Under

SERB-DST Project
Govt. of India
New Delhi

Department of Chemistry

February 12, 2021

**SECTION I: TERMS & CONDITIONS AND IMPORTANT INSTRUCTIONS
FOR BIDDERS**

1. Bidders are to invited to submit sealed quotation as per the technical specifications for tendered item to Dr. Laksmikanta Adak, Assistant Professor, Department of Chemistry, on **10 working days from the date of publication** between **10.30 a.m. to 5.00 p.m.** except Saturday, Sunday and other public holidays.
2. The last date of receipt of tenders is **10 working days from the date of publication up to 5.00 p.m.** quotations received later will not be entertained under any circumstances.
3. Date and time of opening of bid is **next working day at 11.00 a.m.** and the place of opening of bid is office Room of the Department of Chemistry, IEST, Shibpur, Howrah-711103.
4. Bidders are to submit the quotations in Sealed Cover to the Department of Chemistry in the following address:

**Dr. Laksmikanta Adak
Assistant Professor
Department of Chemistry
IEST, Shibpur
Howrah-711103, India**

5. All bids should be submitted in ONE-BID (TECHNO-COMMERCIAL BID) Format in covers (Enquiry Number must be mentioned on cover).

TECHNO-COMMERCIAL BID - giving Detailed Specifications, International Standards (BIS/INTERNATIONAL), Catalogues, List of users & Technical Details / Operating Parameters, payment terms, warranty, etc. along with PRICE BID - giving full Prices in Indian Rupees (only) for

- (a) Tendered item.
- (b) Essential Accessories & Spares.

6. The price quoted should be inclusive of all Taxes, duties and levies. Inclusion of Tax/Levy at a latter stage will not be accepted. Freight, Insurance charges should be clearly indicated if applicable.
7. The materials are to be supplied at a place within IEST, Shibpur premises between 11.00 a.m. and 4.00 p.m. The tenderer will be responsible for any breakage, damage or defect in the container detected subsequently. The supply of chemicals should be completed within a period not exceeding one month from the placement of the formal work order or opening of the LC failing which appropriate action will be taken as per institute rules.
8. If the supply is not completed within the stipulated period as indicated in the Work Order, a Liquidated Damage @ ½ per cent per week will be imposed subject to maximum of 5% of the value of work order.

9. Catalogue number(s) of the respective manufacturer of the items must be provided with the techno-commercial bid without which bid will not be considered.

10. For Indian purchase (*This clause is applicable only for Indian purchase and not applicable for foreign purchase*):

Bills in triplicate should be presented for payment within 15 days of Supply / Completion of work. No Advance Payment can be made. All bills are to be accompanied by Order copies and Challan Receipt. The Order Number is to be noted on both the Challan and the Bill.

11. Documents to be submitted with the tender:

Tender Documents/Terms & Conditions in Original duly signed by the Proprietor / Partner/ Director of the Company as a token of acceptance of Terms & Conditions of Tender.

12. Customs Duty & Excise Duty

- The Institute will not issue any C or D form availing of concessional Sales Tax/ VAT.
- The Institute will issue Customs Duty Exemption Certificate or Excise Duty Exemption Certificate for foreign purchase, if required.
- **The Institute will provide GST Exemption Certificate to Avail 5% GST Charges.**

13. Indian Institute of Engineering Science and Technology, Shibpur, Howrah reserves the right to accept / reject all or any of the tenders without assigning any reason whatsoever.

We accept the above terms and conditions.

Dated:

Signature of Bidders/Suppliers
With date & Seal

SECTION II: TECHNICAL SPECIFICATIONS

List of Fine Chemicals to be Purchased

Sl. No.	Name of Chemicals	Purity	Pack Size
1	Silver nitrite (AgNO ₂)	99%	10g x 1
2	Ammonium persulfate [(NH ₄) ₂ S ₂ O ₈]	ACS reagent, ≥98.0%	100g x 1
3	1,2-Dichloroethane	anhydrous, 99.8%	100 mL x 1
4	Dichloro(<i>p</i> -cymene)ruthenium(II) dimer [Ru(<i>p</i> -cymene)Cl ₂] ₂	97%	2g x 1
5	Boron trifluoride diethyl etherate	purified by redistillation, ≥46.5% BF ₃ basis	100 mL x 1
6	(Diacetoxyiodo)benzene [C ₆ H ₅ I(O ₂ CCH ₃) ₂]	98%	100g x 1
7	<i>n</i> -BuLi	2.0 M in cyclohexane	25 mL x 4
8	<i>trans</i> -Chalcone	97%	100g x 1
9	Sodium borohydride	ReagentPlus [®] , 99%	25g x 1
10	Tetrabromomethane (CBr ₄)	ReagentPlus [®] , 99%	100g x 1
11	Phenylacetylene	98%	25 mL x 1
12	Iodobenzene	98%	100g x 1
13	Triphenylphosphine (C ₆ H ₅) ₃ P	ReagentPlus [®] , 99%	25g x 1
14	<i>tert</i> -Butyl nitrite [(CH ₃) ₃ CONO]	90%	25 mL x 1
15	<i>N,N'</i> -Dimethylethylenediamine	98%	5g x 2
16	Potassium peroxodisulfate (K ₂ S ₂ O ₈)	puriss. p.a., ACS reagent, ≥99.0% (RT)	250g x 1
17	Sodium persulfate (Na ₂ S ₂ O ₈)	Reagent grade, >98%	500g x 1
18	<i>Tert</i> -butyl hydroperoxide solution	5.0-6.0 M in decane	25 mL x 1
19	Pivalic acid	99%	500 mL x 1
20	Manganese(IV) oxide	Reagentlus, >99%	100g x 1
21	Tris(2,2'-bipyridyl)dichlororuthenium(II) hexahydrate	99.95% trace metals basis	1g x 1
22	Silver(I) oxide (Ag ₂ O)	ReagentPlus [®] , 99%	10g x 1
23	1,4-Diazabicyclo[2.2.2]octane	ReagentPlus [®] , ≥99%	100g x 1
24	Copper(I) bromide dimethyl sulfide complex (CuBr·CH ₃ SCH ₃)	99%	10g x 1
25	Copper(I) chloride	ReagentPlus [®] , purified, ≥99%	25g x 1
26	Iron(III) fluoride trihydrate (FeF ₃ ·3H ₂ O)		25g x 1
27	Lithium bromide	ReagentPlus [®] , ≥99%	100g x 1
28	Cobalt(II) fluoride		25g x 1
29	1,2-Phenylenebis[diphenyl]phosphine	95%	1g x 1

	iron complex, $\text{FeCl}_2(\text{dppbz})_2$		
30	Iron(II) chloride tetrahydrate	puriss. p.a., $\geq 99.0\%$ (RT)	50g x 1
31	Magnesium bromide	98%	10g x 1
32	Iron(III) fluoride (FeF_3)		10g x 1
33	1,2-Dibromoethane	98%	5g x 1
34	Nickel(II) chloride hexahydrate ($\text{Cl}_2\text{Ni} \cdot 6\text{H}_2\text{O}$)	99.9% trace metals basis	5g x 1
35	Sodium tetrachloropalladate(II)	98%	1g x 1
36	Nickel(II) chloride	98%	50g x 1
37	Chloramine T trihydrate	ACS reagent, 98%	100g x 1
38	1,2-Bis(diphenylphosphino)benzene	97%	1g x 1
39	Tetrabutylammonium bromide	ACS reagent, $>98\%$	100g x 1
40	Copper(II) trifluoromethanesulfonate	98%	5g x 1

The quantity may vary depending upon the availability of fund.