



**CSIR-Central Electronics Engineering Research Institute**  
**Pilani ( Rajasthan)-333 031,INDIA**

Fax : 01596 – 242135,242294  
Phone : 01596 – 244710

Gram : “ELECTRONIC” Pilani

No. SPO/Chemicals/10-Pur/2014

Speed Post

Dated: 25.11.2014

**Open Tender Notice No. SPO/Chemicals/02/2014**

Director CSIR-CEERI invites tender in closed/sealed covers with wax/cello tape/ company seal from the reputed original manufacturer/Supplier or it's Authorized Distributor/ Indian Agent for the supply of the following items under Annual Rate Contract:

Tender No.	Description of Stores	Cost of Tender Documents	EMD	Last date & time of Receipt of Tender	Tender opening date and Time
SPO/Chemicals/10-Pur/2014/T-104	Chemicals	NIL in case Tender documents is downloaded from CSIR-CEERI website, otherwise Rs. 300/- if it is bought from CSIR-CEERI, Pilani	Rs. 1=00 Lakh	24.12.2014 at 2.30 P.M.	24.12.2014 at 3.30 P.M

The vendors may down load Tender documents containing detailed technical specifications and terms and conditions from CSIR-CEER Website [www.ceeri.res.in](http://www.ceeri.res.in) free of cost and submit the tender along with EMD. The tender documents can also be obtained from the office of Stores & Purchase Officer, CSIR-CEERI, Pilani – 333 031 on payment of Rs. 300/- (NON-REFUNDABLE) through Demand Draft in favour of Director, CEERI, Pilani. The Director, CSIR-CEERI reserves the right to accept or reject any quotation/tender in part of full without assigning any reason thereof.

Stores & Purchase Officer



**CENTRAL ELECTRONICS ENGINEERING RESEARCH INSTITUTE**

**PILANI – 333 031 (RAJASTHAN) INDIA**

**FAX NO. 01596-242135,242294**

**GRAM: ELECTRONIC, PILANI**

**PH.NO. 01596- 244710**

**BY REGISTERED POST**

Tender No. SPO/Chemical/10-Pur/2014/T-104

Date: 25.11.2014

**SUB : REQUEST FOR INVITING QUOTATIONS OF CHEMICALS.**

Dear Sirs,

The quotations are invited on behalf of Director, CSIR-CEERI, Pilani for the purchase of the articles mentioned below. **Please send your quotation in sealed cover duly superscribed with Tender No., Date of receipt of Tenders, Date of opening on the cover so as to reach this office on or before due date mentioned below.** The tender will be opened on the specified date and time given below in the presence of firms representatives who wish to be present at that time.

**LAST DATE OF RECEIPT OF TENDERS : 24.12.2014 at 2.30 P.M.**

**DATE OF OPENING : 24.12.2014 at 3.30 P.M.**

S.NO.	NAME OF ARTICLE & BRIEF DESCRIPTION	Qty.
1.	<b>Chemicals as per list attached</b>	

- NOTE:**
1. Please send your quotation well in time in accordance with the terms and conditions attached of this letter **BY REGISTERED POST/COURIER** to ensure Delivery of your quotation before last date of receipt of tenders.
  2. The quotations should be addressed to **STORES & PURCHASE OFFICER, CEERI, Pilani- 333 031, Rajasthan, INDIA.**
  3. **Send your quotations giving all details as required, incomplete quotations would be rejected.**
  4. **YOUR PRICES MUST BE FOR CSIR-CEERI, Pilani including Packing, Freight, Insurance etc.**

Yours faithfully,

( O.P. Gurawa )  
Stores & Purchase Officer

### List of the Chemical

Sr. No.	Name of Chemicals	Product Code	Unit Quantity	Qty for 6 Mont
1.	Acetone	EMPARTA 1.07021.2521	2.5 lit/ bot.	120 bot.
2.	Sulfuric Acid	EMPARTA 1.93000.2521	2.5lit/ Bot.	120 bot.
3.	Trichloroehylene	EMPLURA 1.00958.2521	2.5lit/Bot.	90 Bot.
4.	Hydrogen peroxide (50%) Hydrogen peroxide (30%)	EMPARTA 1.93007.0521 EMPLURA 1.93048.0521	500ml/bot 500ml/bot	120 Bot.
5.	Hydrofluric Acid	EMPARTA 1.00338.0500	500ml/bot	6 Bot.
6.	Isopropyl Alcohol	EMPARTA 1.07022.2521	2.5ltr/bot	120 Bot.
7.	Hydrochloric Acid	EMPARTA 1.93001.2521	2.5ltr/bot	6 Bot.
8.	Nitric Acid	EMPARTA 1.93406.2521	2.5ltr/bot	6 Bot.
9	Positive Photoresist	S1818	1 Gal./bot.	1 Bot.
10.	Negative Photoresist	SU8 2010	500ml/bot.	4 Bot.
11.	Negative Photoresist	SU8 2025	500ml/bot.	2 Bot.
12.	Negative Photoresist	SU8 2050	500ml/bot.	2 Bot.
13.	Positive Developer	CD26 Developer for Positive Photo resist S1818	5lit/bot.	10 Bot.
14.	SU8 Developer	SU8 Developer	5lit/bot.	10 Bot.
15.	HMDS	HMDS	500ml/bot.	4 Bot.
16	Omnicote	Omnicote	500ml/bot.	4 Bot.
17.	Chromium (VI) oxide Purified	61756205001730	500gm/bot.	6 Bot.
18.	Nitrile Gloves (Chemical Protected)	Purple Nitrile Power free Exa Gloves	1 Pkt.	120 Pkt.
19	Tissue Paper	Kimwipes Kimtech Science Brand lint free tissue paper	1 pak.	120 Pkt.
20.	Wipes	Kumwipes lint free 12''X12''	1 Pak.	20 Pkt.
21	Industrial Wipes	Big size ore than 2'X1.5'	1 Pak	4 Pkt.
22.	Liftoff Resist	LOR 5A	500ml/bot.	2 Bot.

23	PG Remover	PG Remover	5lit/bot.	10 Bot.
24.	Acetone (Nono Grade)	Product No. 40289	2.5lit/bot.	2 Bot.
25	Sulfuric Acid (Nano Grade)	Product No. 40306	2.5lit/bot.	2 Bot.
26	Amonimum Fluoride (NH <sub>4</sub> F) (Nano Grade)	Product No. 40292	5lit/bot.	2 Bot.
27	Hydrochloric Acid (HCL) (Nano Grade)	Product No. 40304	2.5lit/bot.	2 Bot.
28	Ammonium Hydroxide (Nono Grade )	Product No. 40291	2.5lit/bot.	2 Bot.
29.	Nitric Acid (Nano Grade )	Product No. 40230	2.5lit/bot.	2 Bot.
30	2-Propanol (Nano Grade )	Product No. 40301	2.5lit/bot	2 Bot.
31.	Tetramethylammonium hydroxide (25% solution in water) for synthesis	8.14748.1000	1lit/Bot.	12 Bot.
32	Buffer HF		1 lit/ bot.	4 Bot.
33	Methanol (EL Grade)/ (SEMI Grade)		100 Ltr.	100 Ltr.
34.	Trichloroethylene (EL Grade)/ (SEMI Grade)		75 Ltr.	75 Ltr.
35.	Acetone ( EL Grade) / (SEMI grade)		100 Ltr.	100 Ltr.
36	Hydrogen Fluoride (HF) 48.8%- 49.2%		10lit.	10 lit.
37	Sulphuric Acid (H <sub>2</sub> SO <sub>4</sub> ) 95% - 97%		20 lit.	20 lit.
38	Boron Carbide		5 Kg.	5 Kg.
39	Hydrochloric Acid (HCL) 37% - 3%		10 lit.	10 lit.
40	Nitric Acid (HNO <sub>3</sub> ) 70%		10 lit.	10 lit.
41	Chromium (VI) Oxide, 99%		2 Kg.	2 kg.
42	Poly Etchant 95%		10 lit.	10 lit.
43	BOE25:4		15 lit.	15 lit.
44	Ammonium Hydroxide 28% - 30%		10 lit.	10 lit.
45	Phosphoric Acid 85% - 87%		7.5 lit.	7.5 lit.
46	THAM 25%		30 Ltr.	30 Ltr.
47	Hydrogen Peroxide 30%		15 ltr.	15 ltr.
48	Chromium Etchant Type TFD		8 ltr.	8 ltr.
49	Nickel Etchant type TFB		8 ltr.	8 ltr.
50	Potassium Iodide 99.8%		2.5 kg.	2.5 Kg.
51.	Iodine Resublimed GR 99.5%		600 Grm	600 Grm.

52	Nickel Plating Soln		1 ltr.	1ltr.
53	Copper Plating Soln Type A and B		1 ltr.	1 ltr.
54	Silver Plating Soln		1 ltr.	1 ltr.
55	Acetone	AR/GR/EL/ Emplura/Emparta	2.5Ltr/bot	100 Bot.
.56	Methanol	AR/GR/EL/ Emplura/Emparta	2.5ltr/bot	100 Bot.
57	Trichloroethylene	AR/GR/EL/ Emplura/Emparta	2.5ltr/bot	20 Bot.
58	Isopropanol	AR/GR/EL	2.5ltr/bot	10 Bot.
59	Butyl Acetate	AR/GR/EL/ Emplura/Emparta	500ml	2 Bot.
60	Ethyl Acetate	AR/GR/EL/ Emplura/Emparta	500ml	2 Bot.
.61	Formic Acid 85%	AR/GR/ Emplura/Emparta	500ml	100 Bot.
62	Hydrogen Peroxide Sol. 30%	Emplura/AR/GR/ Emparta	500ml	100 Bot.
.63	Glacial Acetic Acid 98-100%	Emplura/AR/GR/ Emparta	2.5ltr/bot	2 Bot.
64	Nitric Acid	Emplura/AR/GR/ Emparta	2.5ltr/bot	10 Bot.
65	Hydrochloric Acid about 37%	Emplura/AR/GR/ Emparta	2.5ltr/bot	10 Bot.
66	Sulphuric Acid 98%	Emplura/AR/GR/ Emparta	2.5ltr/bot	10 Bot.
67	Hydro Fluoric Acid	Emplura/AR/GR/ Emparta	500ml	5 Bot.
68	Sodium Hydroxide Pellets	Emplura/AR/GR/ Emparta	5Kg/bot	1 Bot.
69	Potassium Hydroxide (Pellets Purified)	Emplura/AR/GR/ Emparta	5Kg/bot	1 Bot.
70	Pot. Hexacya- noferrate (III)	Emplura/AR/GR/ Emparta	500Gram/ bot	5 Bot.
71	Chromium Trioxide	Purified	500Gram/ bot	5 Bot.
72	Sodium Carbonate Anhydrous	Emplura/AR/GR/ Emparta		
73	Copper (II) Sulphate Pentahydrate	AR/Emsure	500gm/bot	5 Bot.
74	Nickel (II) sulphate Pentahydrate	AR/Emplura/Emsure	500Gm/bot	5 Bot.
75	Nickel (II) Chloride Hexahydrate	AR/Emplure/Emsure	500gm/bot	5 Bot.

76	Boric Acid Crystal pure	AR/GR/Emplura/ Emsure	500gm/bot	5 Bot.
77	Oxalic Acid	AR/GR/Emplura/ Emsure		
78	Ortho-phosphoric Acid 85%	AR/GR/Emplura/ Emsure	1 ltr./bot	5 Bot.
79	Ammonia Solution 30%	AR/GR/Emplura/ Emsure	2.5ltr/ bot	10 Bot.
80	n-Heptane	AR/GR/Emplura/ Emsure	500ml	5 Bot.
81	Amyl Acetate	AR/GR/Emplura/ Emsure	500ml	5 Bot.
82	Iso-Butylmethacrylate	AR/GR/Emplura/ Emsure	250ml	2 Bot.
83	Ammonium Chloride	AR/GR/Emplura/ Emsure	500Gm	5 Bot.
84	n-Butylmethacrylate	AR/GR/Emplura/ Emsure	250ml	2 Bot.
85	Acetone VLSI Grade 40289 (Honeywell 17617)		20 ltr.	20 ltr.
86	IPA 40301 VLSI Grade (Honeywell 17604)		10 lit.	10 lit.
87	Methanol VLSI Grade 40296 (Honeywell 17444)		10 lit.	10 lit.
88	H2O2 Solution VLSI Grade 40307 (Honeywell 17606)		2.5 lit.	2.5 lit.
89	Methanol (EL Grade)		32 Bot.	32 Bot.
90	Trichloroethylene (EL Grade)		36 Bot.	36 Bot.
91	Acetone (EL Grade)		12 Bot.	12 Bot.
92	Iso-Propyl Alcohol (EL Grade)		16 Bot.	16 Bot.
93	Sulphuric Acid (95%- 97%) EL/SEMI Grade		2.5ltr/bot.	40 Bot.
94	Hydrofluoric Acid (HF) (48.8%-49.2%) EL/SEMI Grad		500ml/bot.	40 Bot.
95	Hydrochloric Acid (HCL) 37%-38% EL/SEMI Grade		2.5ltr/bot.	20 Bot.
96	Methanol, EL/SEMI Grade		2.5ltr./bot.	40 Bot.
97	Acetone, EL/SEMI Grade		2.5ltr./bot.	40 Bot.
98	Trichloroethylene (TCE) EL/SEMI Grade		2.5ltr./bot.	24 Bot.

99	Isoproponal alcohol (IPA) EL/SEMI Grade		2.5ltr./bot.	24 Bot.
100	Hydrogen peroxide 30% , EL/GR Grade		500ml/bot.	32 Bot.
101	Chromium Trioxide (VI), 99%, EL/GR Grade		500gm/bot	12 Bot.
102	Nitric Acid 70%, EL/GR Grade		2.5ltr/bot.	8 Bot.
103	Ortho Phosphoric Acid, EL/GR Grade		2.5ltr/bot.	8 Bot.
104	Acetic Acid, EL/GR Grade		2.5ltr/bot.	8 Bot.
105	Ammonium Hydro Oxide 28%-30%, EL/GR Grade		2.5ltr/bot.	8 Bot.
106	BOE/BHF 25:4		2.5ltr/bot	8 Bot.
107	Poly Etchant 95%		5 ltr	5 ltr
108	Titanium Etchant type (Ti) TFTN		500 ml	500 ml
109	Gold Etchant Type (Au) TFA		1 ltr	1 ltr
110	Aluminum Type (Al) F		500ml	500ml
111	Titanium Nitride (TiN) Etchant (TIN-22-7)		500 ml	500 ml
112	Copper Etchant		500 ml	500 ml
113	Electro less Nickle plating sol. (ENPAT)		1 ltr.	1 ltr.
114	Copper electroplating solution		2 ltr.	2 ltr.

## **TERMS AND CONDITIONS FOR ANNUAL RATE CONTRACT FOR LABORATORY CHEMICALS.**

1. The Rate Contract (RC) will be valid for one year from the date of issue of order. However, it can be further extended up to 3 months, if required.
2. Only printed list submitted along with offer will be acceptable to CSIR-CEERI. No upward change will be acceptable under any circumstances. If the price gone down wards during the currency of the Rate Contract, the reduced prices will be charged. The period of currency shall normally be one year.
3. As Rate contract shall be placed with only registered and or reputed Indian manufacturers or authorized distributors of foreign manufacturers who are authorized for supplying the stores. You are requested to submit your registration/authorization/distributor certificate along with your quotation.
4. Since the time is the essence of the rate contract. The purchase order shall be executed within a short period/fortnight or within delivery period mentioned in CSIR-CEERI purchase order/rate contract. In case, the firm fails to supply the stores within stipulated period CSIR-CEERI reserves the right to not accept the supply, in part or full and to claim liquidated damages @ 0.50% per week subject to a maximum of 10% of the total value of stores ordered.
5. CSIR-CEERI is exempted from payment of Excise Duty under notification number 10/97 dated 1.3.1997 and Customs Duty under notification No. 51/96 dated 23.7.1996. Hence Excise Duty and Custom Duty, as applicable on such items falling in the preview of above notifications should be shown separately. The necessary Exemption Certificate shall be issued by CSIR-CEERI on for such items on written request from Vendors. No charges other than those mentioned clearly in the quotation will be paid.
6. The rate of Sales Tax, Central Excise Duty etc. should be clearly indicated where ever chargeable. This office is not eligible to issue "C" or "D" form. However the concessional rate of Central Sales Tax admissible to Research Institutions on purchase of scientific instruments/equipment etc. from certain State like Maharashtra, Delhi, West Bengal, Tamil Nadu etc. is applicable to this Laboratory.
7. Any parallel rate contract for similar items can be placed at any time during the period of rate contract with one or more firms/manufacturers by the Director, CSIR-CEERI, Pilani.
8. You are requested to furnish the details of supplied you have made in Govt. / Semi Govt. Organization during past few years.



9. You are requested to submit your price list along with offer. **The discount on the price list and a certificate that you will not offer lower than this discount to any other Govt. organization.**
10. The prices should be F.O.R. CSIR-CEERI, Pilani- 333 031, Central Store. For any Damages/Shortage during transit, you/your authorized dealer/agent will be responsible and the same must be replaced within maximum 5 working days.
11. The tender should be submitted along with required EMD of Rs. One lakh valid for Three months in the form of Demand Draft or Banker's Cheque or Bank Guarantee in favour of Director, CEERI, payable at Pilani to be issued from any nationalized bank. The vendors registered with DGS&D/NSIC as manufacturer for the supply of the same category of items for which they are submitting the quotation will be exempted from submission of EMD. Such intended vendors shall have to give the request for wavier of EMD along with proof of registration with their respective quotations.
12. EMD of the unsuccessful bidders shall be refunded without any interest at the earliest after finalization of the Rate Contract of concerned item.
13. The Bid Security/EMD may be forfeited if a bidder withdraws or amends or impairs or derogates its Bid during the period of bid validity.
14. Offers received without EMD / Proof of EMD, waiver shall be summarily rejected.
15. The material must be supplied in one lot. Part supplies generally will not be acceptable.
16. The orders will be placed irrespective of value as per CSIR-CEERI requirement.
17. The material will not be supplied by you less than the Rate Contract priced to any other Govt. institution. If, the same is found the proportionate recovery will be made immediately.
18. Kindly issue a certificate stating that maximum discount is being given and no other Govt. organization is being benefited more than this discount.
19. No upward revision of prices shall be acceptable under any circumstances. In case of downwards revision of prices during the currency of the Rate Contract, the reduced prices shall be applicable.
20. Force majeure clause is acceptable to us as defined under sales of goods and contract Act.
21. Normally the payment will be made within 30 days after receipt of material and found in order in quality and quantity.

22. Supplies will have to be made promptly within the delivery schedule.
23. The supplies must confirmed to the specification of our supply order. If the same is found defective the same must be replaced immediately free of charge at CSIR-CEERI, Pilani.
24. Tender received after due date and time will not be accepted under any circumstances. No fax/Email quote would be accepted.
25. Director, CSIR-CEERI reserves the right to place orders with you or any other firm or to cancel the rate contract without assigning any reason. The rate contract can be terminated at any time by giving one month notice by either sides.

Stores & Purchase Officer

**MODEL BANK GUARANTEE FORMAT FOR FURNISHING BID SECURITY (EMD)**

Whereas .....(hereinafter called the "tenders")  
has submitted their offer dated ..... for the supply of (hereinafter  
called the "tender") against the Purchaser's tender enquiry No. ....  
KNOW ALL MEN by these presents that WE .....of  
.....having our registered office at  
..... are bound unto  
.....(hereinafter called the "Purchaser) in the sum of for  
which payment will and truly to be made to the said Purchaser, the Bank binds  
itself, its successors and assigns by these presents. Sealed with the Common Seal  
of the said Bank this .....day of .....20.....

THE CONDITIONS OF THIS OBLIGATION ARE :

**(1) If the tenderer withdraws or amends, impairs or derogates from the tender in any respect within the period of validity of this tender.**

**(2) If the tenderer having been notified of the acceptance of his tender by the Purchaser during the period of its validity :-**

- (a) If the tenderer fails to furnish the performance security for the due performance of the contract.
- (b) (b) Fails or refuses to accept/execute the contract.

We undertake to pay the Purchaser up to the above amount upon receipt of its first written demand, without the purchaser (CSIR/CEERI) having to substantiate its demand, provided that in its demand the purchaser will note that the amount claimed by it is due to it owing the occurrence of one or both the two conditions, specifying the occurred condition or conditions. This guarantee will remain in force up-to and including 45 days after the period of tender validity and any demand in respect thereof should reach the bank not later than the above date.

Signature of the authorized officer of the bank

Name and designation of the officer

Seal, name and address of the Bank and address of the Branch.