



CENTRE FOR RENEWABLE ENERGY AND MATERIALS UNIVERSITY OF KERALA

(Re-accredited by NAAC with 'A++' Grade)

KARIAVATTOM, THIRUVANANTHAPURAM, KERALA. INDIA 695 581

Phone: +91 471 2308682 (off) +91 8547067230 & +91 9249863611

Email: smashibli@yahoo.com

www.keralauniversity.ac.in

S.M.A Shibli

Hon. Director

22.10.2026

No. CREM/41 /Quotation/2026-27

TENDER INVITATION NOTICE

Last date of submission of Quotation: 09.11.2026

Competitive sealed tenders are invited from required and established manufactures or authorized dealers for the purchase of the following chemicals with make and specification detailed below for the Centre for Renewable Energy and Materials, University of Kerala, Kariavattom Campus, Trivandrum.

LIST OF CHEMICALS

Sl. No.	Product Details	CAS	Make	Purity	Required single quantity	No. of single units
1	Cobalt (II, III) oxide	1308-06-1	SRL	99%	250g	1
2	MgCO ₃	39409-82-0	Merck	quality segment 200	1Kg	1
3	Gallium (III) oxide	12024-21-4	Merck	99.99%	10g	1
4	Copper (II) oxide	1317-38-0	Merck	>99%	100g	1
5	Iron (III) oxide	1309-37-1	Merck	>96%	500g	1
6	Palladium (II) chloride	7647-10-1	Merck	99%	1g	1
7	Nickel Foam: (W 200mm x L 300 mm x T 0.5mm)			≥97%	W 200mm x L 300 mm x T 0.5mm	3
8	Ti ₃ AlC ₂	196506-01-1	Otto Chemie	≥99%	1g	2
9	Hexacarbonylmolybdenum (C ₆ MoO ₆)	ALF-039244-02	Alfa Aesar	98%	2.5g	1
10	Niobium carbide	12069-94-2	Alfa Aesar	99%	25g	1
11	Aceton		Merck/Otto Chemie/Alfa/SRL/Spectrochem		2L	2

12	$\text{RuCl}_3 \cdot x\text{H}_2\text{O}$	14898-67-0	Sigma-Aldrich		1g	2
13	RuCl_2		Merck/Otto Chemie/Alfa/SRL/S pectrochem		1g	2
14	PdCl_2		Merck/Otto Chemie/Alfa/SRL/S pectrochem		1g	1
15	FeCl_3		Merck/Otto Chemie/Alfa/SRL/S pectrochem		500g	2
16	CoCl_2		Merck/Otto Chemie/Alfa/SRL/S pectrochem		100g	2
17	KOH		Merck/Otto Chemie/Alfa/SRL/S pectrochem		500g	2
18	NaCl		Merck/Otto Chemie/Alfa/SRL/S pectrochem		500g	2
19	NaOH		Merck/Otto Chemie/Alfa/SRL/S pectrochem		500g	2
20	$\text{K}_3\text{Fe}(\text{CN})_6$		Merck/Otto Chemie/Alfa/SRL/S pectrochem		500g	1
21	$\text{K}_4\text{Fe}(\text{CN})_6$		Merck/Otto Chemie/Alfa/SRL/S pectrochem		500g	1
22	Methylene Blue		Merck/Otto Chemie/Alfa/SRL/S pectrochem		25g	1
23	Ethanol		Merck/Otto Chemie/Alfa/SRL/S pectrochem		2L	2
24	Methanol		Merck/Otto Chemie/Alfa/SRL/S pectrochem		2L	2
25	Nafion Solution				25mL	1
26	Sodium Hypophosphate		Merck/Otto Chemie/Alfa/SRL/S pectrochem		500g	1
27	Sodium Thiosulphate		Merck/Otto Chemie/Alfa/SRL/S pectrochem		500g	1
28	rGO		Merck/Otto Chemie/Alfa/SRL/S pectrochem		100mg	1
29	Benzil	134-81-6	Merck/Otto Chemie/Alfa/SRL/S pectrochem		250g	1
30	p-Anisidine pure	104-94-9	Merck/Otto Chemie/Alfa/SRL/S	98%	500g	1

			pectrochem			
31	4-Acetylpyridine	1122-54-9	Merck/Otto Chemie/Alfa/SRL/S pectrochem	98%	25g	1
32	N-Methylaniline	100-61-8	Merck/Otto Chemie/Alfa/SRL/S pectrochem	98%	100g	1
33	Aniline Benzophenone		Merck/Otto Chemie/Alfa/SRL/S pectrochem		50g	1
34	2-Aminothiophenol	137-07-5	Merck/Otto Chemie/Alfa/SRL/S pectrochem	98%	100g	1
35	Isopropanol		Merck/Otto Chemie/Alfa/SRL/S pectrochem		2L	1
36	m-Chloroaniline	108-42-9	Merck/Otto Chemie/Alfa/SRL/S pectrochem	99%	500mL	1

List of Glassware's

Sl. No.	Item	Make	Specification	Size/Volume	
1	Alumina Crucible		99% Al ₂ O ₃ , 30 mL with lid	30mL	3
2	Measuring Jar	Borosil	borosilicate	100mL	2
	Measuring Jar	Borosil	borosilicate	250mL	2
	Measuring Jar	Borosil	borosilicate	500mL	2
3	Spatula	SS	Stainless steel, 150 mm	150mm	10
4	Three-Electrode Electrolyzer Cell		Single-Chamber Three-Electrode Electrolyzer Cell with PTFE Lid, 50 mL	50mL	2
5	Dropper (glass)	Borosil	Glass dropper with rubber teat		10
6	Round bottom flask 250mL	Borosil	250 mL, 24/29 joint	250mL	4
7	Reflux condenser with rubber tube	Borosil	24/29 with tubing		4

1	Hg/HgO Reference Electrode	Borosilicate Glass Body	Hg/HgO Reference Electrode-B14 Joint		2
2	Ag/AgCl Reference Electrode	Glass Body	Ag/AgCl Reference Electrode - 6 mm Glass Body with PTFE Holder	6mm	2
3	Glassy carbo electrode		3 mm PTFE-bodied Glassy Carbon Working Electrode (GCE)	3mm	1
4	Platinum Wire Auxiliary/counter Electrode		99.99% pure platinum wire electrode (0.5 mm diameter × 50 mm length) with a PTFE insulating sleeve (6 mm diameter × 25/30 mm length). Warranty: minimum 1 year		1
5	Platinum Sheet Electrode		99.95% pure platinum sheet electrode (10 × 10 × 0.1 mm) with a copper terminal, PTFE seals, as a working, counter, or auxiliary electrode, Warranty: minimum 1 year		2

Digital Multimeter	MECO/Fluke	Mini. 4 Digit Digital Display, Backlit Display, Auto Power-Off, Including Test Leads and Batteries Warranty: minimum 1 year	2
--------------------	------------	--	---

Sealed tenders should reach Hon. Director, Centre for Renewable Energy and Materials, University of Kerala, Kariavattom Campus, Thiruvananthapuram-695581 **on or before 09.11.2026, 03.30 PM.**

Terms and Conditions:-

- Kindly quote with price with GST
- The chemicals and glasswares should have more than 1 year of expiry date from the date we received.
- Quote separate price list for each make (manufacturer) of the chemicals.
- Incomplete and confidential quotations and quotations received after the due date will be summarily rejected without assigning any reasons thereof.
- Quotations submitted shall remain valid for the current financial year.
- The undersigned reserves the right to reject or accept the quotation without assigning any reason.
- The supplier shall replace or resolve any product received in damaged condition upon immediate notification by the purchaser.

Head

Department of Chemistry

*Assistant Professor & Head
Department of Chemistry
University of Kerala, Kariavattom
Thiruvananthapuram - 695 581*



Hon. Director

Centre for Renewable Energy & Materials

S. M. A. Shibli

Hon. Director

*Centre for Renewable Energy & Materials
University of Kerala*

