

**H.E.J. RESEARCH INSTITUTE OF CHEMISTRY  
INTERNATIONAL CENTER FOR CHEMICAL AND BIOLOGICAL SCIENCES  
UNIVERSITY OF KARACHI  
KARACHI-75270**

**TENDER NOTICE NO. HEJ-220113**

Sealed tenders are invited from the sales tax registered firms with Sindh Board of Revenue and Income Tax Department for purchase of chemicals and scientific appliances/equipments on F.O.R. basis or import on **item-wise C&F basis** for the Center. The detail and specification of the items can be collected from the date of notification of the advertisement on the websites, from Purchase Office of the Center, on any working day between 9.00 a.m. to 12.30 p.m., on payment of Rs. 300/- (non-refundable), in shape of a pay order (Demand Draft by the out of Karachi suppliers), in favor of the Director, H.E.J., or downloaded from the websites [www.iccs.edu](http://www.iccs.edu) and [www.pprasindh.gov.pk](http://www.pprasindh.gov.pk). The last date of issuing of the bid documents is 18-01-2013. The tenders can be submitted in Purchase Office of the Center with 2% of the bid value as bid security, in shape of a pay order in favor of the Director, H.E.J., latest by 2.30 p.m. on 22-01-2013. The tenders will be opened in meeting room of the Center at 3.00 p.m. on the same day in presence of the bidders or their representatives. The Procuring Agency may reject all or any bid subject to the relevant provision of SPP rules.

***DIRECTOR***

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DR. HINA SIDDIQUI

(Lab. No. 323 Intercom No. 156)

DETAIL OF THE ITEMS

S.No.	Item	Specifications	Quantity
1.	Methyl hydrazine	Cat # M5001/Aldrich or equivalent	100 g
2.	N,N-Dimethyl hydrazine	Cat # D161608/Aldrich or equivalent	100 g
3.	2,4-Dichlorophenylhydrazine hydrochloride	Cat # 36218/Aldrich or equivalent	10 g
4.	3,5-Dichlorophenyl hydrazine hydrochloride	Cat # 153648/Aldrich or equivalent	10 g
5.	3-Bromophenylhydrazine hydrochloride	Cat # 153948/Aldrich or equivalent	5 g
6.	<i>m</i> -Tolylhydrazine hydrochloride	Cat # 90110/Aldrich or equivalent	5 g
7.	2-Ethylphenylhydrazine hydrochloride	Cat # 393916/Aldrich or equivalent	10 g
8.	4-Methoxyphenyl hydrazine hydrochloride	Cat # 152137/Aldrich or equivalent	10 g
9.	2-(Trifluoromethyl) phenyl hydrazine	Ct # 459127/Aldrich or equivalent	5 g
10.	3-(Trifluoromethyl) phenyl hydrazine	Cat # 348228/Aldrich or equivalent	1 g
11.	1-Methyl-1-phenyl hydrazine	Cat # 170267/Aldrich or equivalent	5 g

12.	2,4-Dichloropyridine-3-carbonyl chloride	Cat # 738204/Aldrich or equivalent	1 g
13.	4-Bromo-2,6-difluorobenzoyl chloride	Cat # CDS010876/Aldrich or equivalent	100 mg
14.	2-Bromo-6-chlorobenzoyl chloride	Cat # CDS00514/Aldrich or equivalent	100 mg
15.	2-Fluoro-5-iodobenzoyl chloride	Cat # 552461/Aldrich or equivalent	5 g
16.	3,4-Difluorobenzoyl chloride	Cat # 290246/Aldrich or equivalent	5 g
17.	2-Chloro-4-nitrobenzoyl chloride	Cat # CDS001446/Aldrich or equivalent	1 g
18.	3-Bromobenzoyl chloride	Cat # 259314/Aldrich or equivalent	25 g
19.	2-Nitrobenzoyl chloride	Cat # 322717/Aldrich or equivalent	25 g
20.	3-Nitrobenzoyl chloride	Cat # 127663/Aldrich or equivalent	25 g
21.	4-Nitrobenzoyl chloride	Cat # 112208/Aldrich or equivalent	250 g
22.	3-Chlorobenzoyl chloride	Cat # C26801/Aldrich or equivalent	25 g
23.	4-(Trifluoromethyl) benzoyl chloride	Cat # 249475/Aldrich or equivalent	5 g
24.	4-Cyanobenzoyl chloride	Cat # 124826/Aldrich or equivalent	5 g
25.	3-Methoxybenzoyl chloride	Cat # 230243/Aldrich or equivalent	5 g
26.	4-Methoxybenzoyl chloride	Cat # A88476/Aldrich or equivalent	100 g
27.	Tribromoacetyl chloride	Cat # 431656/Aldrich or equivalent	1 g

28.	Tiglic aldehyde	Sigma or equivalent	25 g
29.	O-Anisaldehyde	Sigma or equivalent	25 g
30.	m-Anisaldehyde	Sigma or equivalent	25 g
31.	3-Hydroxy-4-methoxy-benzaldehyde	Aldrich or equivalent	100 g
32.	2-Bromo-4-methyl benzaldehyde	Aldrich or equivalent	10g
33.	Indole-6-(carboxaldehyde)	Aldrich or equivalent	10 g
34.	4-Methyl-O-phenylene diamine	Aldrich or equivalent	100 g
35.	2-Amino-4-chlorobenzenethiol	Aldrich or equivalent	25 g
36.	Sodium metabisulfite	Aldrich or equivalent	250 g
37.	O-Tolualdehyde	Aldrich or equivalent	100 g
38.	m-Tolualdehyde	Aldrich or equivalent	100 g
39.	4-(Dimethylamino)-benzaldehyde	Aldrich or equivalent	100 g
40.	4-(Benzyloxy) benzaldehyde	Aldrich or equivalent	25 g
41.	4-Chlorobenzaldehyde	Aldrich or equivalent	10 g
42.	3-Chlorobenzaldehyde	Aldrich or equivalent	100 g
43.	Chloroacetic anhydride	Sigma/Aldrich or equivalent	25 g
44.	Propionic anhydride	Sigma/Aldrich or equivalent	25 g
45.	2-Methyl-6-nitrobenzoic anhydride	Sigma/Aldrich or equivalent	25 g
46.	p-Anisic anhydride	Sigma/Aldrich or equivalent	25 g
47.	Chlorodifluoroacetic anhydride	Sigma/Aldrich or equivalent	25 g
48.	Tribromoacetyl chloride	Sigma or equivalent	25 g
49.	Trichloroacetyl chloride	Aldrich or equivalent	25 g
50.	2,3-Dibromopropionyl chloride	Aldrich or equivalent	25 g



51.	2-Chloropropionyl chloride	Aldrich or equivalent	25 g
52.	Propargyl chloroformate	Aldrich or equivalent	25 g
53.	2-Bromobutynyl bromide	Aldrich or equivalent	25 g
54.	$\alpha$ -Bromoisobutyryl bromide	Aldrich or equivalent	25 g
55.	Chloroacetic acid sodium salt	Aldrich or equivalent	50 g
56.	Propionic acid sodium salt	Aldrich or equivalent	50 g
57.	2-Methyl-6-nitrobenzoic acid sodium salt	Sigma or equivalent	50 g
58.	p-Anisic acid sodium salt	Sigma or equivalent	50 g
59.	Chlorodifluoroacetic acid sodium salt	Sigma or equivalent	50 g
60.	Tribromoacetic acid sodium salt	Sigma or equivalent	50 g
61.	Trichloroacetic acid sodium salt	Sigma or equivalent	50 g
62.	2,3-Dibromopropionic acid sodium salt	Sigma or equivalent	50 g
63.	2-Chloropropionic acid sodium salt	Sigma or equivalent	50 g
64.	2-Bromobutyric acid sodium salt	Sigma or equivalent	50 g
65.	$\alpha$ -Bromoisobutyric acid sodium salt	Sigma or equivalent	50 g
66.	Phosphorus penta oxide (99%)	Sigma or equivalent	1 kg
67.	Thermometer	-10 to 360°C	2
68.	Magnetic Plate with multiple heating places and temperature control and contact thermometer	RT 10 Poure IKAMAG or equivalent	1
69.	Vacuum Manifold (12 port complete set)	TR-004012 or equivalent	1