



चरैवेति चरैवेति

# SHIBPUR DINOBU NDHOO INSTITUTION (COLLEGE)

(1948)

Degree & P.G. College (Affiliated to the University of Calcutta)

Re-Accredited with "B" Grade (2.50/4.00 CGPA) by NAAC

## TENDER NOTICE

Date: 17-07-2017

Sealed quotations, super-scribing "Tender for Supply of Chemicals and instruments for Chemistry Practical " in Shibpur Dinobundhoo Institution (College) are invited and addressed to the Principal, Shibpur Dinobundhoo Institution (College), Shibpur, Howrah, should be submitted at the Office of the Principal by 3 p.m. of 23rd July 2017. The all inclusive rate should be quoted as per the following specifications:

Items with Quantity	Rate (Rs.)	Total Cost (Rs.)
<b><u>Mineral Acids (E- Merck, GR)</u></b>  1. Hydrochloric acid (5L) 2. Sulphuric acid (5L) 3. Nitric acid (2.5L) 4. Phosphoric acid (500mL) 5. Perchloric acid (500mL)		
<b><u>Organic acids (E- Merck, GR)</u></b>  1. Acetic acid (glacial)(500g) 2. Liquor Ammonia (E- Merck, GR)(2.5L)		
<b><u>Organic Solvents (SRL / E - Merck)</u></b>  1. Ethanol (500mL) 2. Carbinol (2.5L) 3. Isopropyl alcohol (500mL) 4. n- propyl alcohol (500mL) 5. t-butyl alcohol (500mL) 6. Amyl alcohol (500mL) 7. Carbon tetrachloride (500mL) 8. Acetone (500mL) 9. Acetronitrile (2.5L) 10. Petroleum ether (40-60, 60-80) (2.5L) 11. Diethyl ether (2.5L) 12. Benzene (500mL) 13. Toluene (500mL) 14. Dichloromethane (500mL) 15. N, N- Dimethyl formamide (2.5L)		

<p>16. DMSO (2.5L)  17. Triethylamine (500mL)  18. 2-methoxyethanol (500mL)  19. 1, 2 dimethoxymethane (500mL)</p>		
<p><b><u>REAGENT LIQUIDS (GR, E - Merck / SRL),</u></b>  (500mL)</p> <ol style="list-style-type: none"> <li>1. Acetyl acetone</li> <li>2. Ethylacetoacetate</li> <li>3. Diethyl malonate</li> <li>4. Ethyl cyanoacetate</li> <li>5. Nitrobenzene</li> <li>6. Ethyl acetate</li> <li>7. Salicylaldehyde</li> <li>8. Ethanol amine</li> </ol>		
<p><b><u>ORGANIC SOLIDS ( E – Merck, GR) ;(500g)</u></b></p> <ol style="list-style-type: none"> <li>1. Urea</li> <li>2. Thiourea</li> <li>3. Sodium acetate</li> <li>4. B naphthol</li> <li>5. Catechol</li> <li>6. Quinol</li> <li>7. Guanidine</li> <li>8. Phloroglucinol</li> <li>9. Salicylic acid</li> <li>10. P- hydroxy benzoic acid</li> <li>11. Salicylamide</li> <li>12. O- vaniline</li> <li>13. Resorcinol</li> <li>14. O-, m-, p- nitrophenol</li> <li>15. m, o - amino phenol</li> <li>16. O- hydroxy acetophenone</li> </ol>		

17. Benzophenone		
18. Benzoin		
19. Benzil		
20. P- dimethylamino benzaldehyde		
21. O-, p- nitrobenzaldehyde		
22. Thiophene 2- aldehyde		
23. Pyrrole 2- aldehyde		
24. Furfural		
25. Oxonic acid		
26. Benzilic acid		
27. Oxalic , Malonic, succinic, Glutaric, Adipic, Pimilic, Suberic acid		
28. Benzoic acid		
29. O-, p- nitro benzoic acid		
30. Anthranilic acid		
31. P- amino benzoic acid		
32. Cinamic acid		
33. O- chloronenzoic acid		
34. Aniline hydrochloride		
35. P- toludine		
36. Guanine		
37. O- phenylrnediamine		
38. 1,3- diamino propane		
39. Benzamide		
40. Phthalimide		
41. m-di nitro benzene		
42. Butane diamine		
43. 1,3- diamino propane		

<p>44. Cyclohexanediamine</p> <p>45. Methyl ester</p> <p>46. Sucrose</p> <p>47. ethylene diamine.</p> <p>48. Triethylamine</p> <p>49. Phenol</p> <p>50. Para methyl phenol</p> <p>51. Ortho hydroxy aniline</p> <p>52. O, p- anisidine</p> <p>53. Ninhydrin (25g)</p> <p>54. DL/L-phenylalanine (25g)</p> <p>55. DL-serine (25g)</p> <p>56. L-proline (50g)</p>		
<p><b><u>Inorganic Solids (E- Merck, GR); (500g)</u></b></p> <p>1. Ferricoxide</p> <p>2. Chromium oxide, Chromium phosphate</p> <p>3. Aluminium oxide</p> <p>4. Barium chloride, sulphate, nitrate, hydroxide, phosphate, borate.</p> <p>5. Strontium nitrate, chloride.</p> <p>6. Calcium oxide, fluoride, chloride, nitrate, iodide.</p> <p>7. Sodium nitrate, nitrite, chloride, bromide, carbonate, sulphide, sulphate, sulphite, thiosulphate, bicarbonate, acetate, hydroxide, bismuthate, bisulphate, fluoride, nitroprusside, azide,</p> <p>8. Potassium nitrate, nitrite, thiocyanate, iodide, bromate, chloride, bromide, ferricyanide, ferrocyanide, hydrogentartarate, iodate, permaenganate, dichromate, Chromate,</p>		

<p>9. Disodium hydrogen phosphate</p> <p>10. Boric acid, borax, Ascorbic acid, hydrogen peroxide.</p> <p>11. Ammonium oxalate, molybdate, carbonate, thiocyanate, acwtate, chloride, bifluoride, sulphate.</p> <p>12. Ferrous sulphate, mohr salt, Ferric chloride, Ferric phosphate, Ferric borete, Alluminium iron (III) sulphate dodecahydrate.</p> <p>13. Manganese dioxide, sulphate, chloride, phosphate.</p> <p>13. Copper chloride, borate, sulphate, oxide, nitrate.</p> <p>14. Nickel chloride, phosphate, sulphide, oxide, borate.</p> <p>15. Cobalt oxide, sulphate, chloride, nitrate, phosphate, sulphate.</p> <p>16. Silver nitrate, starch, chlorin water, cadmium carbonate, Zn- dust, Tin metal, sulphamic acid, Benzidine, Iodine, Zirconyl nitrate, Zinc uranyl acetate, mercuric chloride, nitrate, dimethyl glyoxim, Alizarin-S.</p> <p>17. Zinc oxide, nitrate, phosphate, sulphate, chloride.</p> <p>18. Aluminium sulphate, phosphate, chloride,</p> <p>19. Stannic chloride, oxide</p> <p>20. EDTA- disodium salt.</p> <p>21. Cobalt blue glass</p> <p>22. Potassium dichromate</p> <p>23. Sodium thiosulphate</p> <p>24. Sodium peroxodisulphate</p> <p>25. Ammonium Molybdate</p> <p>26. Hydrogen peroxide</p> <p>27. Tissue paper, Filterpaper, wash bottle, drop reagent bottle, Asbestos bord, Al- foil, whatman 41 and 42 filter paper. Spinch corck, Rubber pipe, nickel crucible, bunsen Brunner,</p> <p>28. Fusion tube, watch glass, beaker, conical flask,</p>		
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R.B. Flask, viscosity bottle, layer tube, burette, pipette, Hard glass test tube ( PHASE RULE),		
<b><u>Instruments:</u></b> <ol style="list-style-type: none"> <li>1. Stalagmometer</li> <li>2. Ostwald Viscometer</li> <li>3. Ph-meter (Eutech Instruments, Ph-Tutor)</li> <li>4. Conductivity meter</li> <li>5. Digital polarimeter</li> <li>6. Polarimeters Na-vapor Lamp</li> <li>7. Potentiometer</li> <li>8. Ultrasonicator</li> <li>9. Vacuum Desiccator</li> </ol>		

**(Dr. Bhaskar Purkayastha)**  
**Principal**