

Government of Maharashtra's  
**Ismail Dhusuf College of Arts, Science and Commerce, Jogeshwari (E),  
Mumbai.**

**The Annual Quality Assurance Report (AQAR) of the IQAC**

Academic Year – 2015-2016

<b>Appendix – 26</b>		
<b>List of Instruments</b>		
<b>Department of Chemistry</b>		
<b>Equipments</b>	<b>Cost</b>	<b>Year of Purchase</b>
1. Centrifuging Machine Remi Make	3950	1991-92
2. Elico Model	7868	1992-93
3. Colorimeter ERMA Model AE – 11M (Sr. No 23075)	15525	1996-97
4. PH Meter with In-built Magnetic Stirrer Equiptronics	5700	1996-97
5. Ph meter Digital Systronics (2 units)	10168	1996-97
6. Digital Conductometer Equiptronics	9000	1997-98
7. Digital PH Meter Equiptronics	8950	1997-98
8. Digital Potentiometer Equiptronics (4 units)	2680	1997-98
9. Digital Colorimeter	18000	1998-99
10. Digital Conductometer (Elico model)	8000	2000-01
11. Digital Conductometer (Elico model)	7868	2000-01
12. Microwave Oven	1300	2000-01
13. Dry & wet vaccuming & shamporing machine	23000	2000-01
14. Digital potentiometer equiptronics (2 units)	2450	2001-02
15. Digital Colorimeter Equiptronics Model. No E-2650	14996	2004-05
16. Water distillation Plant Shital Industries (2 units)	17460	2005-06
<b>17. Microprocessor based Double Beam UV Visible Spectrophotometer</b>	<b>195075</b>	<b>2006-07</b>
18. PotentiometerEQ-602equiptronics (8 units)	37040	2006-07
<b>19. Rotary Vacuum Flask Evaporator with Digital Temp. Controlled</b>	<b>115144</b>	<b>2007-08</b>
20. Spectrophotometer	36500	2008-09
21. Digital PH meter elico	10100	2008-09
22. Vaccum pump	56294	2008-09
23. Electronics Water both 6 holes	6125	2008-09
24. Electronics Water both 12holes	7125	2008-09
<b>25. Pooja Ice Flater Model No. IF-090</b>	<b>1580631</b>	<b>2009-10</b>

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26. Ice Cube Machine Model FS 031 Ag	72000	2009-10
<b>27. F.T.I.R 7600 IR Spectrometer</b>	<b>844597</b>	<b>2010-11</b>
28. Incinerators (3 units)	5700	2011-12
29. Incinerators (10 units)	18000	2011-12
30. Centrifuging Machine	4658	2011-12
31. Digital Micro Controller base PH meter Elico Model 614 (3 units)	77454	2011-12
32. Digital potentiometer EQ-609 (5 units)	9281	2011-12
33. Healing mentle 500ml cap (2 units)	2000	2011-12
34. Healing mentle 1000ml cap (2 units)	2500	2011-12
35. Healing mentle 2000ml cap (2 units)	3644	2011-12
36. Digital muffle furnace	35944	2011-12
37. Digital weighing balance contech mode No ca 223	41400	2011-12
38. KBR press Model M.15	31500	2011-12
39. Heavy Duty Voltage Stabilizer	13560	2011-12
40. Original Novita Dehumidifier	49669	2011-12
41. Online UPS 3000 VA (2 units)	48825	2011-12
42. Digital Conductometer Elico CM180	17943	2011-12
<b>43. UV spectrophotometer (Schimantazoo)</b>	<b>552206</b>	<b>2012-13</b>
44. Digital PH Meter Equiptronics (3 units)	18846	2012-13
45. Oil sealed vaccum pupm	49275	2012-13
46. Digital weighing balance citizen	84040	2012-13
47. Digital Turbidometer Modle 09141	9675	2012-13
48. Colorimeter Micro Controller Base Digital Colorimeter	11850	2013-14
49. Microcontroller Base	11850	2013-14
50. Digital Colorimeter (Visible Spectrophotometer)	38850	2013-14
51. Digital Controller (Base Conductometer)	5500	2013-14
52. Digital weighing balance.	32510	2013-14
53. Ultra Sonic Cleaner 2.5 Lit.	9850	2013-14
54. Ultra Sonic Cleaner 5 Lit.	28590	2013-14
55. Microwave Oven	32130	2014-15

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56. Digital Flame Photometer	44505	2014-15
57. Digital Micro Controller base PH meter Labtronics	37969	2014-15
58. Oil free Vaccum pump (2 units)	20500	2014-15
59. Oil sealed Vaccum pump	40150	2014-15
60. Water both 6holes complete SS digital 92 units)	35300	2014-15
61. Digital weighing balance capacity 2 kg (2 units)	32300	2014-15
62. Digital weighing balance Cap 220.KG	34150	2014-15
63. Oil Water Bath 3 lit. Capacity	32950	2014-15
64. U.V. Cabinet	10150	2014-15
65. Double door Refrigerator	22150	2014-15
66. Deep Freezer	36580	2014-15
67. Water Demineralising plant	27730	2014-15
68. Centrifuging Machine Remi Make (2 unit)	19136	2015-16
<b>Total Value of Instruments</b>	<b>47,58,366</b>	

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<b>Department of Physics</b>		
<b>Equipments</b>	<b>Cost</b>	<b>Year of Purchase</b>
69. Fibre Optic Kits - Digital Kit (2 units)	43462	2009
70. Fibre Optic Kits - Analog Kit (2 units)	48212	2009
71. Ultrasonic Interferometer	40800	2011
72. Michalson Interferometer (2 units)	57000	2011
73. Hysterisis Loop Tracer	45500	2011
74. Digital Nanometer	26950	2011
75. Gaiger Counting System	48500	2011
76. Constant Deviation Spectrograph	48500	2011
77. Digital Heavy Duty Power Supply	46950	2011
78. Ultrasonic Interferometer	49250	2011
79. Digital Microvoltmeter	27950	2011
80. Radio Active Source	48850	2011
81. Fourie Analysis Kit	45500	2011
82. Lead Castle	54650	2011
83. Virtual Oscilloscope	77520	2011
84. Digital Oscilloscope 100mhz	56886	2011
85. Digital Oscilloscope 200mhz	91200	2011
86. VHDL Kit	30318	2011
87. PIC Kit	20812	2011
88. E/M Thomson Method	18560	2014
89. Universal VLSI Trainer	22000	2014
90. ARM Embeded Trainer	22000	2014
91. PIC Embeded Trainer	22000	2014
92. Four Probe Setup	37000	2015
93. CRO	37400	2015
94. Hall Effect Kit	32550	2015
<b>Total Value of Instruments</b>	<b>11,00,320</b>	

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<b>Department of Botany</b>		
<b>Equipments</b>	<b>Cost</b>	<b>Year of Purchase</b>
95. Incubator – BOD	35000	2000-01
96. Water Bath	6970	2004-05
97. Oven Microwave	N.A.	2004-05
98. Hot Air Oven	49000	2006-07
99. Weighing Balance	N.A.	2007-08
<b>100. Cold Centrifuge Machine Emtech Make</b>	<b>109500</b>	<b>2008-09</b>
<b>101. Cyber Rotavapour</b>	<b>168000</b>	<b>2008-09</b>
<b>102. Ultra Pure Water</b>	<b>169660</b>	<b>2010-11</b>
<b>103. Incubator – BOD.</b>	<b>121000</b>	<b>2010-11</b>
104. Plant Growth Chamber	N.A.	2012-13
105. Projector LCD	N.A.	2013-14
106. Magnetic Stirrer with hot plate	34650	2014-15
107. Rotary Shaker	41000	2014-15
108. Vortex Shaker	18500	2014-15
109. Spectrophotometer	47250	2014-15
110. PH Meter	12000	2014-15
111. Tissue Culture Rack	N.A.	2014-15
112. Visualiser Caver	49793	N.A.
<b>Total Value of Instruments</b>	<b>8,62,323</b>	

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<b>Department of Zoology</b>		
<b>Equipments</b>	<b>Cost</b>	<b>Year of Purchase</b>
113. Microtomes 2 (Rocking and spencer type)	1225	1960
114. Incubator digital	4500	1985
115. Water bath (1 boiling)	3000	1985
116. Water bath with tempo	5400	1990
117. Inoculation Chamber	4000	1992
118. Muffle furnace	8650	1999
119. Digital spectrometer	19945	1999
120. Thermometers (30° C to 330°C)	2000	2000
121. Cold centrifuge with timer	53980	2001
122. Shakers for 12 conical flask	9000	2001
123. Pathological Micropipette	7100	2001
124. Centrifuge with timer	10900	2004
125. Colorimeter	13770	2004
126. Autoclave	6071	2006
127. Distillation plant	21937	2006
128. Monopan balance	1450	2009
129. Kjedal digestion distillation	30700	2009
130. Colony counter	6667	2009
131. UV Illuminater	45565	2009
132. Digital colorimeter	8500	2012
133. Hot air oven	20464	2013
134. Conductivity meter (LT-16)	6750	2013
135. Digital PH meter	6750	2013
136. Electrophoresis apparatus	19200	2013

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137. Digital Turbidity meter (micro controller)	14625	2013
138. Micro controller (spectrophotometer)	42700	2013
139. Digital balance	N.A.	N.A.
<b>Total Value of Instruments</b>	<b>374,849</b>	

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<b>Department of Bio-technology</b>		
<b>Equipments</b>	<b>Cost</b>	<b>Year of Purchase</b>
140. Water bath	24000	2008
<b>141. LAF</b>	<b>100000</b>	<b>2008</b>
142. Vortex	8000	2008
143. Compound Microscope	10000	2008
144. Desk top	8000	2008
145. Colorimeter	14000	2009
146. Rotary shaker	35000	2009
147. Autoclave	32000	2009
148. U.V.Transilluminator	19000	2009
149. pH Meter	18000	2009
150. Microscope with Light Source	15000	2009
151. Simple microscope	7000	2009
152. Printer	5000	2009
153. Incubator	30000	2010
154. Hot Air Oven	38000	2010
155. Weighing Balance	18000	2010
156. Microwave Oven	20000	2010
157. Electrophoresis unit	15000	2010
158. Centrifuge	15000	2010
159. Fridge	22000	2010
160. Lap top	25000	2010
<b>161. Star Board and Projector</b>	<b>100000</b>	<b>2010</b>
<b>Total Value of Instruments</b>	<b>5,78,000</b>	



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**Total Value of Instruments:**

Department of Chemistry	47,58,366
Department of Physics	11,00,320
Department of Botany	8,62,323
Department of Zoology	3,74,849
Department of Bio-technology	5,78,000
<b>Total Value in Rs.</b>	<b>76,73,858</b>