



**G. S. Mandal's  
MAHARASHTRA INSTITUTE OF TECHNOLOGY  
DEPARTMENT OF AGRICULTURAL ENGINEERING  
LABORATORY DETAILS**

**Soil & Water Testing Laboratory**

**Area:- 69.42 Sq.mt**

**Location:FF-207**

**Name of the Incharge: Dr. Deepak Bornare**



**Laboratory Incharge Profile**

**Name & Designation :** Dr. Deepak Bornare (HOD)

**Qualification:** PhD

**Expertise Area:** Soil Testing & Water Testing

**Contact no:** 9423008651

**Email ID:** Deepak.bornare@mit.asia

**Soil & Water Testing Laboratory**





**Laboratory Instrument/Equipment/Implement/Model/Glassware List**

<b><u>SR No</u></b>	<b><u>Name of Equipment</u></b>	<b><u>Quantity</u></b>	<b><u>Cost</u></b>	<b><u>Remark</u></b>
<b><u>1</u></b>	NPC361 "NAINA water & soil analysis kit	<b><u>01</u></b>	<b><u>20600.00</u></b>	
<b><u>2</u></b>	105 "Systronic Digital spectrophotometer	<b><u>01</u></b>	<b><u>27200.00</u></b>	
<b><u>3</u></b>	KSW-31 Horizontal Shanking Machine	<b><u>01</u></b>	<b><u>16100.00</u></b>	
<b><u>4</u></b>	Pipette Stand horizontal	<b><u>01</u></b>	<b><u>72.00</u></b>	
<b><u>5</u></b>	International Pipette with stand	<b><u>01</u></b>	<b><u>5500.00</u></b>	
<b><u>6</u></b>	Burette Stand	<b><u>04</u></b>	<b><u>1000.00</u></b>	
<b><u>7</u></b>	Mortal & Stand 6"	<b><u>01</u></b>	<b><u>60.00</u></b>	
<b><u>8</u></b>	Electrical Ovum with digital Display	<b><u>01</u></b>	<b><u>17575.00</u></b>	
<b><u>9</u></b>	Electric Stand Holding Test Tube	<b><u>04</u></b>	<b><u>840.00</u></b>	
<b><u>10</u></b>	Magnetic Stirrer with hot plate	<b><u>01</u></b>	<b><u>5400.00</u></b>	
<b><u>11</u></b>	"HT" Fine mesh Test sieves 20cm	<b><u>03</u></b>	<b><u>1390.00</u></b>	
<b><u>12</u></b>	ELICO Micro Processor	<b><u>01</u></b>	<b><u>39600.00</u></b>	
<b><u>13</u></b>	FG SL0243 Spectrophotometer	<b><u>01</u></b>	<b><u>1173918.00</u></b>	
<b><u>14</u></b>	KJELO Nitrogen Distillation	<b><u>01</u></b>	<b><u>250503.00</u></b>	
<b><u>15</u></b>	Smart Pure Ultrapure Distillation	<b><u>01</u></b>	<b><u>603673.00</u></b>	
<b><u>16</u></b>	Working table	<b><u>01</u></b>	<b><u>98350.00</u></b>	
<b><u>17</u></b>	Working Table	<b><u>01</u></b>	<b><u>92000.00</u></b>	
<b><u>18</u></b>	Working table with sink	<b><u>01</u></b>	<b><u>180500.00</u></b>	
<b><u>19</u></b>	Island table	<b><u>01</u></b>	<b><u>254100.00</u></b>	
<b><u>20</u></b>	Working Table	<b><u>01</u></b>	<b><u>148300.00</u></b>	
<b><u>21</u></b>	Flume Hood	<b><u>01</u></b>	<b><u>184450.00</u></b>	
<b><u>22</u></b>	Chemical Storage Cabinet	<b><u>01</u></b>	<b><u>67300.00</u></b>	
<b><u>23</u></b>	Electronic Digital Top pan balance	<b><u>01</u></b>	<b><u>5500.00</u></b>	
<b><u>24</u></b>	Digital pH meter	<b><u>01</u></b>	<b><u>5750.00</u></b>	
<b><u>25</u></b>	Digital Pipette	<b><u>01</u></b>	<b><u>19463.00</u></b>	
<b><u>26</u></b>	Citizen Electronic Balance	<b><u>01</u></b>	<b><u>61200.00</u></b>	
<b><u>27</u></b>	GPS	<b><u>01</u></b>	<b><u>37956.00</u></b>	
<b><u>28</u></b>	UV-VIS spectrophotometer	<b><u>01</u></b>	<b><u>436790.00</u></b>	
<b><u>29</u></b>	Spectra Lab Orbital shaker	<b><u>01</u></b>	<b><u>80010.00</u></b>	
<b><u>30</u></b>	Xerox Machine	<b><u>01</u></b>	<b><u>178500.00</u></b>	
<b><u>31</u></b>	Digital EC Meter	<b><u>01</u></b>		<b><u>Donated by ELICO</u></b>
<b><u>32</u></b>	Potentiometric Titrator	<b><u>01</u></b>	<b><u>495000.00</u></b>	
<b><u>33</u></b>	Mobile Soil Testing Van	<b><u>01</u></b>	<b><u>7510150.00</u></b>	
<b><u>34</u></b>	ICP-OES	<b><u>01</u></b>	<b><u>5886765.00</u></b>	
<b><u>35</u></b>	PC Lenovo	<b><u>01</u></b>	<b><u>39000.00</u></b>	
<b><u>36</u></b>	Dome Camera CD	<b><u>01</u></b>	<b><u>15963.00</u></b>	
<b><u>37</u></b>	7.5 UPS/180V Battery	<b><u>01</u></b>	<b><u>194500.00</u></b>	
<b><u>38</u></b>	pH Conductivity Meter	<b><u>01</u></b>	<b><u>168618.00</u></b>	
<b><u>39</u></b>	UV-VIS	<b><u>01</u></b>	<b><u>507400.00</u></b>	
<b><u>40</u></b>	Radwag Wagi	<b><u>01</u></b>		
<b><u>41</u></b>	Newtronic BOD Incubator	<b><u>01</u></b>	<b><u>21730.00</u></b>	
<b><u>42</u></b>	Godrej refrigerator	<b><u>01</u></b>		
<b><u>43</u></b>	Muffle Furnace	<b><u>02</u></b>		

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<u>44</u>	Millipore Distillation Unit	<u>01</u>	<u>266702.00</u>
<u>45</u>	COD BOD TOC Analyzer	<u>01</u>	<u>488520.00</u>
<u>Total</u>			<u>1,96,07,948.00(INR)</u>
<u>One crore ninety six lakh seven thousand nine hundred forty eight</u>			
<u>Rs only</u>			

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