### APPENDIX - 5

**SPONSORED/SUPPORTED R & D PROJECTS**

(Rs. in lakhs)

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Title</th>
<th>Agency/Client</th>
<th>Amount Received</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>New Projects</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Studies on Double Perovskite CMR Thin Films for Magnetic Sensor Applications</td>
<td>Defence Research &amp; Development Organization, (DRDO)</td>
<td>9.77</td>
</tr>
<tr>
<td>2</td>
<td>Study of distributing and sources of ambient Ammonia Over National Capital Region (NCR)</td>
<td>Department of Science &amp; Technology (DST)</td>
<td>4.07</td>
</tr>
<tr>
<td>3</td>
<td>Investigation of pure and substituted ruthenocuprate magneto superconductors in bulk and thin film at low temperature and high magnetic field</td>
<td>Department of Science &amp; Technology (DST)</td>
<td>28.50</td>
</tr>
<tr>
<td>4</td>
<td>Nano-metrology: surface roughness</td>
<td>Department of Science &amp; Technology (DST)</td>
<td>3.11</td>
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<tr>
<td>5</td>
<td>Innovative Product Development Center</td>
<td>Department of Science &amp; Technology (DST)</td>
<td>14.81</td>
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<tr>
<td>6</td>
<td>Development of biosensors for detection of pathogens (under SERC FAST Track Scheme)</td>
<td>Department of Science &amp; Technology (DST)</td>
<td>5.50</td>
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<tr>
<td>7</td>
<td>Multi centric collaborative study on the impact of global warming and ultra violet radiation (UVR) exposure on ocular health in India</td>
<td>Indian Council of Medical Research (ICMR, Min. of Health &amp; Family Welfare)</td>
<td>58.00</td>
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<tr>
<td>8</td>
<td>Feasibility Study for the use of infrasonic sensors of predict Tsunami</td>
<td>National Institute of Ocean Technology, NIOT, Ministry of Earth Science</td>
<td>4.50</td>
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<td>9</td>
<td>Development of Acoustic Equipment for object detection for divers</td>
<td>National Institute of Ocean Technology, NIOT, Ministry of Earth Science</td>
<td>25.20</td>
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<tr>
<td>10</td>
<td>Strengthening the quality infrastructure in Environmental analytics</td>
<td>PTB-Germany (Under NPL-PTB Coopr. Proj)</td>
<td>20.47</td>
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<td><strong>Total</strong></td>
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<td>173.93</td>
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## CSIR NETWORK PROJECTS

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Name of the Project</th>
<th>Project Code</th>
<th>Nodal Officer</th>
<th>Name of the Laboratory</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>R&amp;D on Photovoltaics and other Solar Energy Applications (Supra-Institutional Project)</td>
<td>SIP 0017</td>
<td>Dr P K Singh</td>
<td>NPL</td>
</tr>
<tr>
<td>2</td>
<td>Development of Advance Light Weight Metallic Materials for Engineering Applications</td>
<td>NWP 0028</td>
<td>Dr Anil Kumar Gupta/ Dr R C Anandani</td>
<td>AMPRI, Bhopal</td>
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<tr>
<td>3</td>
<td>Conducting Polymer paints and coatings for corrosion protection and shielding of concrete structures in strategic areas</td>
<td>NWP 0012</td>
<td>Dr S K Dhawan</td>
<td>NPL as Nodal Lab (Since Dec’2008)</td>
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<tr>
<td>4</td>
<td>Technology for Assessment and Refurbishment of Engineering Materials and Components</td>
<td>NWP 0027</td>
<td>Dr Sushil Kumar/ Dr Ashok Kumar</td>
<td>NML, Jamshedpur</td>
</tr>
<tr>
<td>5</td>
<td>Fabrication of LED Devices and Systems for Solid State Lighting Applications</td>
<td>NWP 0025</td>
<td>Dr S T Lakshmikumar</td>
<td>NPL</td>
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<tr>
<td>6</td>
<td>Advancement in Metrology</td>
<td>NWP 0045</td>
<td>Dr P Banerjee</td>
<td>NPL</td>
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<td>7</td>
<td>Surface analysis of Dispensor Cathodes for High Power MWT</td>
<td>NWP 0024 NPL - II</td>
<td>Dr Mahesh Kumar</td>
<td>NPL as Partner Lab CEERI, Pilani as Nodal Lab</td>
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<tr>
<td>8</td>
<td>Design and Fabrication Capabilities for very High Power Microwave Tubes</td>
<td>NWP 0024 NPL - I</td>
<td>Dr G Bhatia</td>
<td>CEERI, Pilani</td>
</tr>
<tr>
<td>9</td>
<td>Mega-city atmospheric pollution precursor process modeling</td>
<td>NWP 0017</td>
<td>Dr M K Tiwari / Dr C Sharma</td>
<td>IITR, Lucknow</td>
</tr>
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