

**Instrument List for Procurement from In-House Project, Barwa Road Campus for F.Y. 2023-24**

S. No.	Instrument Name	Quantity	IO/PL & Project No.
1.	Workstation	01	Dr. Arka Jyoti Das <b>MLP-162/2022-23</b>
2.	Fabrication of chamber with humidity and temperature control, if required by the humidity/temperature sensor with data acquisition system	01	
3.	Jar tester apparatus	01	Dr. Pallabi Das <b>MLP-163/2022-23</b>
4.	Electrochemical assembly	01	
5.	Membrane caster (hollow fibre and flat sheet) with contact angle measurement	01	
6.	Kjeldahl digestion & distillation unit	01	Dr. Bhanu Pandey <b>MLP-165/2022-23</b>
7.	UV VIS Double beam Spectrophotometer	01	
8.	Laptop Computer	01	Dr. Neelratan Singh <b>MLP-166/2022-23</b>
9.	Printer	01	
10.	Brunton Compass	01	
11.	Digital Schmidt Hammer	01	
12.	Global Positioning System (GPS)	01	
13.	Slope Stability Related Software (Rockfall/Any other)	01	
14.	Thermal Imaging Camera & Software	01	Mr. Amit Kumar Dr. R.K.Mishra <b>MLP-167/2022-23</b>
15.	Conditioning monitoring instruments with software	01	
16.	Clamp Meter	01	
17.	Noise meter	01	
18.	Temperature and Humidity meter	01	
19.	Vibration meter	01	
20.	C.T	03	
21.	Other sensors	As per requirement	
22.	Muffle Furnace	01	Dr. Mousumi Mallick <b>MLP-168/2022-23</b>
23.	Fabrication of stir casting unit	01	
24.	Stir	01	Mr. Abhishek Chowdhury <b>MLP-169/2022-23</b>
25.	3D Printer	01	
26.	Accessories	01	
27.	Scaled down continuous ropeway system capable of running with different sizes of ropes and variable speed	01	Mr. Sachchak Waghmare <b>MLP-170/2022-23</b>
28.	Variable Electromagnetic setup with hall effect sensors	02	
29.	Guass meter, tachnometer, digital multimeter etc	01	
30.	Slow motion capture cameras with raw image storage on development boards for image processing with appropriate lighting system	04	

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31.	Procurement of drone and other accessories	01	Dr. A.K.Raina <b>GAP/MOM/N/127/2022-23</b>
32.	Universal Rheometer System	01	Dr. S.K.Behera <b>GAP/CIL/128/2022-23</b>
33.	Primary and secondary crushers	01	
34.	Explosion proof/ intrinsically safe digital camera	01	
35.	Digital schemidt hammer for insitu testing	01	
36.	Robotic total station and its accessories with relevant software	01	
37.	Digital schemidt Rebound hammer	01	Dr. A.J.Das <b>GAP/SERB/DST/129/2022-23</b>
38.	Explosion proof digital camera	01	
39.	Design expert statistical software	01	
40.	Dips Software	01	
41.	Rhino Software	01	
42.	Computing Devices	01	Dr. Ranjan Kumar <b>MLP-159/2022-23</b>
43.	Cloud based GIGA software development	01	
44.	Geotechnical Instruments such as Vibrating wire stress cells, installation toolkit of stress cells, readout units.	01	Mr. Nilabjendu Ghosh <b>MLP-160/2022-23</b>