



## **Public Notice**

### **Commercialization of Facilities at the Construction Material Lab**

To all stakeholders, industry partners, and entrepreneurs. We are pleased to announce an exciting opportunity for commercialization at Aror University's Construction Material Lab. We are proud to present this notice to invite interested parties to explore the possibilities of utilizing our superlative facilities and expertise in the field of construction materials.

At Aror University, we have made significant investments in establishing a state-of-the-art Construction Material Lab with the aim of fostering “Commercial Testing and Certification, Research, Innovation, and Industry partnerships”. This lab is equipped with cutting-edge equipment, highly skilled professionals/Technicians, and a wealth of knowledge in construction materials and related fields.

We believe that collaboration between academia and industry is essential for driving innovation, advancing technologies, and meeting the evolving needs of the construction sector. Therefore, we are opening our doors to businesses, industry stakeholders, and entrepreneurs who require material testing and certification. Potential commercialization activities may include, but are not limited to:

Testing and Certification Services: Utilize our lab's equipment and expertise for testing and certifying construction materials to meet industry standards.

For further information and inquiries, please contact:

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<b>LIST OF TESTING FACILITY AVAILABLE</b>		
<b>CEMENT</b>		
1	Fineness (by sieving and Blain's method)	
2	Standard Consistency test	
3	Initial and Final setting time	
4	Soundness test (Le chatelier's)	
5	Specific Gravity of cement	
6	Compressive strength / Grade of cement	
<b>STEEL</b>		
7	Tensile Strength (yield strength, ultimate strength)	
8	Bending test	
9	Percentage Elongation	
<b>AGGREGATES / STONES</b>		
10	Compressive/Crushing strength	
11	Unit weight(loose/rodded)	
12	Specific gravity / Gradation	
13	Sieve Analysis (Gradation)	
14	Water Absorption	
15	Flakiness Index test	
16	Elongation test	
17	Soundness test	
18	Los Angeles Abrasion test	
19	Impact test	
20	Bulking of Sand	
21	Aggregates Stripping value	
<b>BRICK</b>		
22	Dimension Tolerance test	
23	Water absorption test	
24	Compressive strength test	
25	Efflorescence test	
<b>CONCRETE</b>		
26	Mix Design	
27	Compressive strength of Concrete cubes and cylinders	
28	Splitting tensile strength of cylinders	
29	Flexural strength test of beams	
30	Workability test (Slump cone and Compaction factor)	
31	Core cutter test	
32	Schmidt Rebound Hammer test	
33	Dry and Fresh Unit Weight test	



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34	Water Absorption test	
35	Compressive strength of Concrete cubes and cylinders with Sulphur Caping	
36	Compressive strength of Regular and Irregular Shape Paving Block	
37	Compressive strength of Concrete Block	
38	Dressing and Compressive Strength of Concrete	
39	Compressive Strength of (H Strength Grout Cubes)	
40	Costing and Compressive Strength of (H Strength Grout Cubes) (7 & 28 Day)	
41	Compressive strength of Concrete Kerb Block Cubes/Cores Cutting and testing	
42	Schmidt's Hammer test/50 Rebound	
<b>HIGHWAY</b>		
43	Marshall mix design	
44	Grade test of Bitumen / Penetration test	
45	Softening Point of Bitumen	
46	Flash and Fire point tests	
47	Ductility	
48	Specific gravity	
49	Asphalt Oven for TFOT	
<b>SOIL</b>		
50	CBR test (Soaked and unsoaked)	
51	Soil Classification	
52	Direct Shear strength test	
53	Atterberg Limits tests (Liquid, Plastic and Shrinkage limit)	
54	Unconfined compressive strength tests	
55	Field Density tests (Sand replacement method, Core cutter)	
56	Relative density tests	
57	Water Absorption test	
58	Simple Proctor tests	
59	Modified Proctor tests	
60	Hydrometer analysis	

Dr. Sabab Ali Shah  
Director-ORIC